

GIACT Verification Services API

Version

5.86

The GIACT Verification Services API hosts services for real-time verification and authentication of bank account and customer data. This integration guide contains information on services, classes, and methods available to developers for use in custom client integrations. This document is proprietary and confidential. No part of this document may be disclosed in any manner to a third party without the prior written consent of GIACT Systems, LLC.

Sandbox Testing Guide

Testing

For development and testing purposes, you will be issued a set of API user credentials for the sandbox environment. Test inquiries do not check for service permissions, so you can develop against and test all services. Test inquiries are stored in the sandbox environment in the same way that live inquiries are stored in the production environment. This allows you to develop against and test the search functions using your historical log of test inquiries. Once you have logged successful inquiries to the sandbox environment, you may request API user credentials for the production environment.

The sandbox API URL is: https://sandbox.api.giact.com/verificationservices/v5/InquiriesWS-5-8.asmx

The sandbox website is located at: https://sandbox.portal.giact.com

Test Bank Account data for Check fields

For sandbox gVerify and gAuthenticate inquiries, you must use test bank account data. The table below contains the default set of test accounts that return a set AccountResponseCode value. If you submit an inquiry with data that is not found in the test bank account list, the AccountResponseCode value will be "GN05". If you need to add your own test accounts, please contact the integration support team.

Routing Number	Account Number	Code	Description
122105278	000000001	GN01	Negative information was found in the account's history
122105278	0000000002	GN05	Routing number is not assigned to a financial institution
122105278	000000003	GP01	Account found in your API user's Private Bad Checks list
122105278	000000004	GS01	Invalid/Unassigned routing number
122105278	000000005	GS02	Invalid account number
122105278	000000006	GS03	Invalid check number
122105278	000000007	GS04	Invalid check amount
122105278	000000008	ND00	No positive or negative information available for the account information
122105278	000000009	ND01	Routing number can only be valid for a US Government institution
122105278	000000010	RT00	Routing number is participating bank, but account number not located
122105278	000000011	RT01	Account should be declined based on the risk factor reported
122105278	000000012	RT02	Item (Check Number) should be declined based on the risk factor reported
122105278	000000013	RT03	Current negative data exists on the account. Ex: NSF or recent returns
122105278	000000014	RT04	Non-Demand Deposit Account (Post No Debits)
122105278	000000015	RT05	Recent negative data exists on the account. Ex: NSF or recent returns
122105278	000000016	1111	Account Verified – Open and valid checking or savings account
122105278	000000017	2222	AMEX – The account is an American Express Travelers Cheque account
122105278	000000018	3333	Non-Participant Provider – Account reported as having positive data
122105278	000000019	5555	Savings Account Verified – Open and valid savings account
122105278	0000000020	7777	Checking or savings account was found to have positive historical data
122105278	0000000021	8888	Savings account was found to have positive historical data
122105278	0000000022	9999	Account reported as having positive historical data

NOTE: AccountResponseCode values _7777, _8888, _9999, and RT05 are only applicable to API users that are restricted to the Real-Time Extended process. If your API user does not have to use the Real-Time Extended process, then you will never see these values returned.

Test Person data for Customer fields

The sandbox environment has consumer records for three test persons: John Smith, Jane Smith, and Robert Williams. These represent several different real-life situations to help test multiple scenarios.

John Smith

John is originally from Colorado, so his Social Security Number was issued in August of 1984 while living there. He has a valid driver's license issued by the state of Texas. John previously lived alone in Allen, but now he lives in Grapevine with his wife Jane after getting married in the summer of 2014. John is an authorized signer on his business savings account owned by his business named Smith & Associates Consulting. When John moved to Grapevine, he did not update his bank with the new information, so the bank still has his Allen address on file for his business savings account. John has a personal mobile phone on Verizon Wireless with the number 166-223-4100. The current IP address assigned to his mobile phone by Verizon Wireless is 111.22.33.44, and he is in downtown Dallas meeting with a client right now.

Account Data

Parameter	Value
AccountNumber	000000019
Account Type	Savings
FirstName	John
LastName	Smith
AddressLine1	1113 Shade Tree Ln
City	Allen
State	TX
Zip	75013
PhoneNumber	2145551212
TaxId	123456543
DateOfBirth	1970-05-15
Current Balance	\$5000.00

Consumer Data

Person Data Records	S	Address Records	Address Records			Phone Records		
Parameter	Value	Field	Value		Field	Value		
DateLastUpdated	2014-09-17	DateReported	2014-09-17		Number	1662234100		
FirstName	John	AddressLine1	1923 Lake Forest Rd		Classification	Personal		
LastName	Smith	City	Grapevine		Туре	Mobile		
TaxId	123456543	State	TX		Carrier	Verizon Wireless		
DateOfBirth	1970-05-15	Zip	76051		Prepaid	No		
DINumber	01234567	Status	Current		First Name	John		
DIState	TX			-	Last Name	Smith		
SSN Issue State	CO	Field	Value		Address	1923 Lake Forest Rd		
SSN Issue Range	1984-1985	DateReported	2011-06-12		City	Grapevine		
		AddressLine1	1113 Shade Tree Ln		State	TX		
		City	Allen		Zip	76051		
		State	TX		Email	None on record		
		Zip	75013					
		Status	Previous					

Jane Smith

Jane is originally from Tennessee, so her Social Security Number was issued in March of 1986 while living there. She has a valid driver's license issued by the state of Texas. Jane previously lived alone in McKinney, but now she lives in Grapevine with her husband John after getting married in the summer of 2014. Jane has one personal checking account. When Jane married, then moved to Grapevine, she did not update her bank with her new last name or new Grapevine address and phone information, so the bank still has her McKinney address and phone number on file. Jane has a mobile phone with AT&T Wireless with the phone number 172-223-4010, and AT&T Wireless has jane.doe@gmail.com on record as her email address. The current IP address assigned to her mobile phone by AT&T Wireless is 123.45.67.89, and she is currently in downtown Dallas with John in the same business meeting. She works for Smith & Associates Consulting as a Tax Accountant. Jane has social media accounts at Facebook and LinkedIn associated with her jane.doe@gmail.com email address.

Account Data

Parameter	Value
AccountNumber	000000016
Account Type	Checking
FirstName	Jane
LastName	Doe
AddressLine1	5805 Blue Spruce Ln
City	McKinney
State	TX
Zip	75070
PhoneNumber	9725551212
TaxId	123456777
DateOfBirth	1972-08-04
Current Balance	\$1000.00

Consumer Data

Person Data Record	S	Address Records		Phone Records	
Field	Value	Field	Value	Field	Value
DateLastUpdated	2014-09-17	DateReported	2014-09-17	Number	1722234010
FirstName	Jane	AddressLine1	1923 Lake Forest Rd	Classification	Personal
LastName	Smith	City	Grapevine	Туре	Mobile
TaxId	123456777	State	TX	Carrier	AT&T Wireless
DateOfBirth	1972-08-04	Zip	76051	Prepaid	No
DINumber	12312312	Status	Current	First Name	Jane
DIState	TX			Last Name	Smith
SSN Issue State	TN			Address	1923 Lake Forest Rd
SSN Issue Range	1986-1987	Field	Value	City	Grapevine
		DateReported	2012-03-21	State	TX
		AddressLine1	5805 Blue Spruce Ln	Zip	76051
		City	McKinney	Email	jane.doe@gmail.com
		State	TX	L	
		Zip	75070		
		Status	Previous		

Field	Value
DateLastUpdated	2014-08-03
FirstName	Jane
LastName	Doe
TaxId	123456777
DateOfBirth	1972-08-04
DlNumber	12312312
DIState	TX
SSN Issue State	TN
SSN Issue Range	1986-1987

Field	Value
DateReported	2014-08-03
AddressLine1	1923 Lake Forest Rd
City	Grapevine
State	TX
Zip	76051
Status	Current
	•

Field	Value
DateReported	2012-03-21
AddressLine1	5805 Blue Spruce Ln
City	McKinney
State	TX
Zip	75070
Status	Previous

Field	Value
Number	1722234010
Classification	Personal
Туре	Mobile
Carrier	AT&T Wireless
Prepaid	No
First Name	Jane
Last Name	Smith
Address	1923 Lake Forest Rd
City	Grapevine
State	TX
Zip	76051
Email	jane.doe@gmail.com
EIIIdii	Jane.doe@gmail.com

Robert Williams

Robert, who also goes by Bob, is originally from Michigan, so his Social Security Number was issued in September of 1984 while living there. Bob previously lived in Denver, CO, but now he lives in Little Elm and has a valid driver's license issued by the state of Texas. Bob has a checking account at a small credit union that does not participate in the network. He is a customer of John Smith's consulting business which regularly debits his checking account for monthly invoices. John Smith's bank, which is a participating bank, has reported consistent positive activity on Bob's account. Bob has a mobile phone with Sprint with the phone number 184-223-4100, and Sprint has bob1968@aol.com on record as his email address.

Account Data

Parameter	Value
AccountNumber	000000018
Account Type	Checking

Consumer Data

Person Data Record	S	Address Records			Phone Records	
Field	Value	Field	Value		Field	Value
DateLastUpdated	2014-08-25	DateReported	2014-08-25		Number	1842234100
FirstName	Robert	AddressLine1	2893 Lakecrest Dr		Classification	Personal
LastName	Williams	City	Little Elm		Туре	Mobile
TaxId	123456123	State	TX		Carrier	Sprint
DateOfBirth	1968-04-21	Zip	75068		Prepaid	No
DINumber	98765432	Status	Current		First Name	Robert
DIState	TX				Last Name	Williams
SSN Issue State	MI	TI			Address	2893 Lakecrest Dr
SSN Issue Range	1982-1984	Field	Value		City	Little Elm
	•	DateReported	2008-10-12		State	TX
		AddressLine1	235 Grape St		Zip	75068
		City	Denver		Email	bob1968@aol.com
		State	СО		,	•
		Zip	80220			
		Status	Previous			

		1			
		Field	Value		
		DateReported	1996-03-30	7	
		AddressLine1	4411 Ottawa St	7	
		City	Midland	7	
		State	MI	7	
		Zip	48642	7	
		Status	SecondPrevious	7	
				-	
Field	Value	Field	Value	Field	Value
DateLastUpdated	2014-08-03	DateReported	2014-08-03	Classificati	ion Personal
FirstName	Bob	AddressLine1	2893 Lakecrest Dr	Туре	Mobile
LastName	Williams	City	Little Elm	Number	1842234100
TaxId	123456123	State	TX	First Name	e Robert
DateOfBirth	1968-04-21	Zip	75068	Last Name	e Williams
DlNumber	98765432	Status	Current	Address	2893 Lakecrest
DIState	TX			City	Little Elm
SSN Issue State	MI	Ī		State	TX
SSN Issue Range	1982-1984	Field	Value	Zip	75068
		DateReported	2008-10-12	Email	bob1968@aol.c
		AddressLine1	235 Grape St		
		City	Denver		
		State	CO	7	
		Zip	80220		
		Status	Previous		
		1		_	
				_	
		Field	Value		
		DateReported	1996-03-30		
		AddressLine1	4411 Ottawa St		
		City	Midland		
		State	MI	コ	

Ayman Joumaa

To return a person name match on the gOFAC service from the US OFAC SDN data source, you can use the names "Ayman Journaa" or "Ayman Saied Journaa".

48642

SecondPrevious

Zip

Status

Bob Smith

To return a person name match on the gOFAC service from the US Politically Exposed Persons data source, you can use the names "Bob Smith" or "Robert C Smith". When searching records on the Politically Exposed Persons list, if the inquiry has a value for Country, lists from a country other than the inquiry country will be ignored. Therefore, if the Country property is either empty or "US", then this record will be returned, but if you pass in a value for Country other than "US", then this record will not be returned.

Additional Test Data for Accounts

In addition to the Sandbox test accounts, there are some additional values that can be passed in for certain properties to prompt certain results in the Sandbox environment.

Prepaid Accounts

To prompt a result that indicates a prepaid account, use the following routing number with any account number.

Account Number	Response Code Result	Bank Account Type Result
124071889	ND00	Prepaid Debit ABA Number

Additional Test Data for Persons

In addition to the Sandbox consumer records, there are some additional values that can be passed in for certain properties to prompt certain results in the Sandbox environment.

Account Dates

To force certain values to return for the Account Added Date and Account Last Updated Date, use the account numbers below:

Account	Response Code	Date Result
Number	Result	
0000000023	1111 (Pass AV)	Account Added Date and Account Last Updated Date are both
0000000023	TITI (Fass AV)	current date minus 30 days
000000024	5555 (Pass SAV)	Account Added Date and Account Last Updated Date are both
000000024	3333 (Fass SAV)	current date minus 30 days
000000026	1111 (Pass AV)	AddedDate = 365 days ago, LastUpdated = 30 days ago
000000027	1111 (Pass AV)	AddedDate = 365 days ago, LastUpdated = 10 days ago
000000028	1111 (Pass AV)	AddedDate = 60 days ago, LastUpdated = 30 days ago
000000029	1111 (Pass AV)	AddedDate = 90 days ago, LastUpdated = 60 days ago
000000030	1111 (Pass AV)	AddedDate = 5 days ago, LastUpdated = 5 days ago

Accounts ending in 26-30 use John Smith's account info

Account Number	Account Response Code	Customer Information Validation	Contributed Value
000000031	RT03	FirstName	John
		LastName	Smith
		AddressLine1	1923 Lake Forest Rd
		City, State, Zip	Grapevine, TX, 76051
		PhoneNumber	2145551212
		TaxId	123456543

Consumer Alerts Messages

To force certain Consumer Alert Message values in Sandbox, use the TaxID value from the grid below:

TaxID	Code	Description	
000000300	300	Input SSN is invalid or reported as not assigned	
000000301	301	Input SSN assigned before input Date of Birth	
000000320	320	Input SSN reported as suspicious or belonging to a minor	
000000321	321	Input SSN reported as misused or used in fraud	
000000322	322	Input SSN reported as deceased	
000000530	530	Consumer Record access is currently restricted	
000000531	531	Consumer Record does not include SSN	
000000532	532	Consumer Record does not include Date of Birth	

gldentify ESI Testing

To force specific responses from the gldentify ESI service in Sandbox mode, use the email addresses listed below. For each example, if an output property is not listed, then the value is null.

- jane.doe@gmail.com
 - OwnerName = Jane Doe
 - OwnerCompany = Smith & Associates
 - OwnerTitle = Tax Accountant
 - o StatusID = 14
 - StatusDescription = Email Created at least 5 Years Ago
 - Advice = LowerFraudRisk
- 101der@gmail.com
 - o StatusID = 16
 - StatusDescription = InvalidEmailSyntax
 - Advice = DataEntryReview
- 102fr@gmail.com
 - o OwnerName = Fraud Customer
 - OwnerCompany = Fraud Company
 - OwnerTitle = Fraud Title
 - o StatusID = 9
 - StatusDescription = Email Recently Created
 - Advice = FraudReview
- 103ur@gmail.com
 - o StatusID = 8
 - StatusDescription = Limited History for Email
 - Advice = UnclearRisk
- 104lr@gmail.com
 - OwnerName = Great Customer

- OwnerCompany = Great Company
- OwnerTitle = Great Title
- o StatusID = 14
- StatusDescription = Email Created at least 5 Years Ago
- Advice = LowerFraudRisk
- o EmailAddressCreatedDate = 2011-11-07
- o FirstSeen = 2012-02-03
- 105mr@gmail.com
 - OwnerName = Good Customer
 - OwnerCompany = Good Company
 - OwnerTitle = Good Title
 - o StatusID = 14
 - StatusDescription = Email Created at least 2 Years Ago
 - Advice = ModerateFraudRisk
 - o EmailAddressCreatedDate = 2015-11-07
 - o FirstSeen = 2016-03-13
- 301cnpr@gmail.com
 - o StatusID = 1
 - StatusDescription = Fraud Level 1
 - Advice = FraudReview
 - o FirstSeen = 2013-01-01
 - o FraudType = CardNotPresentFraud
 - o FraudSourceIndustry = Big Box / Retail
- 302cb@gmail.com
 - o StatusID = 63
 - StatusDescription = Suspected Fraud
 - o Advice = FraudReview
 - o FirstSeen = 2013-02-01
 - o FraudType = ChargeBack
 - FraudSourceIndustry = Travel / Hospitality
- 303fpf@gmail.com
 - o StatusID = 1
 - StatusDescription = Fraud Level 2
 - o Advice = FraudReview
 - o FirstSeen = 2013-03-01
 - o FraudType = FirstPartyFraud
 - FraudSourceIndustry = Electronics
- 304fpd@gmail.com
 - o StatusID = 63
 - o StatusDescription = Suspected Fraud
 - Advice = FraudReview

- o FirstSeen = 2013-04-01
- o FraudType = FirstPaymentDefault
- FraudSourceIndustry = Telecommunications

305it@gmail.com

- OwnerName = Victim Customer
- OwnerCompany = Victim Company
- OwnerTitle = Victim Title
- o StatusID = 26
- StatusDescription = High Risk Email Account
- Advice = FraudReview
- o FirstSeen = 2013-05-01
- o FraudType = IdentityTheft
- o FraudSourceIndustry = Apparel / Jewelry

306sid@gmail.com

- OwnerName = Synthetic Customer
- OwnerCompany = Synthetic Company
- OwnerTitle = Synthetic Title
- o StatusID = 8
- StatusDescription = Limited History for Email
- Advice = FraudReview
- o FirstSeen = 2013-06-01
- o FraudType = SyntheticId
- o FraudSourceIndustry = Entertainment

307o@gmail.com

- o StatusID = 63
- o StatusDescription = Suspected Fraud
- o Advice = FraudReview
- o FirstSeen = 2013-07-01
- o FraudType = Other
- o FraudSourceIndustry = Other

Test Business data for Customer fields

The sandbox environment has business records for two test business: Smith & Associates Consulting, and GIACT Systems.

Smith & Associates Consulting

John is a managing member of Smith & Associates Consulting. John previously had the business registered at his address in Allen. When he moved to Grapevine, he updated the business's address. John is an authorized signer on his business savings account. When John moved to Grapevine, he did not update his bank with the current information, so the bank still has his Allen address on file for his business savings account. The business has a residential business VoIP number of 214-555-1212.

Account Data

Savings Account

Parameter	Value
AccountNumber	000000019
Account Type	Savings
FirstName	John
LastName	Smith
BusinessName	Smith & Associates Consulting
AddressLine1	1113 Shade Tree Ln
City	Allen
State	TX
Zip	75013
PhoneNumber	2145551212
TaxId	123456543
DateOfBirth	1970-05-15
Current Balance	\$5000.00

Checking Account

Parameter	Value
AccountNumber	000000025
Account Type	Savings
BusinessName	Smith & Associates Consulting
LastName	Smith
AddressLine1	1113 Shade Tree Ln
City	Allen
State	TX
Zip	75013
TaxId	123456543
PhoneNumber	2145551212

Business Data

Business Data Records			Address Records			Phone Records		
Parameter	Value	T	Field	Value	ĺ	Field	Value	
BusinessName	SMITH & ASSOCIATES		AddressLine1	1923 Lake Forest Rd		Number	2145551212	
	CONSULTING		City	Grapevine		Classification	Residential Business	
FEIN	112233445		State	TX		Туре	VoIP	
DunsNumber	998877665		Zip	76051		Carrier	Verizon	
CorporationType	CORPORATION			<u>. </u>		Prepaid	No	
RegistrationType	LIMITED LIABILITY COMPANY		Field	Value				
IncorporationState	TX		AddressLine1	1113 Shade Tree Ln				
IncorporationDate	2012-10-15		City	Allen				
FilingNumber	0099887766		State	TX				
Industries	MARKETING CONSULTING		Zip	75013				
Domains	SMITHCONSULTING.COM							
	<u>. </u>	1						

Business Contacts

John Smith, Managing Member Jane Doe Smith, Tax Accountant

GIACT Systems

GIACT Systems, LLC has the FEIN of 123456789 and is registered as a Limited Liability Company. There are records for another company name of GIACT Systems, INC when the company was previously registered as a Corporation. GIACT has two address records with the only difference being the suite number change when the business moved to another suite on the same floor. GIACT has a local phone number of 214-644-0450 and a toll-free customer service phone number of 866-918-2409.

Business Data

Business Data Records		Address Records			Phone Records		
Parameter	Value	Field	Value	ı	Field	Value	
BusinessName	GIACT SYSTEMS, LLC	AddressLine1	700 Central Expy S		Number	2146440450	
	GIACT SYSTEMS, INC		Suite 300		Classification	Business	
FEIN	123456789	City	Allen		Туре	VoIP	
DunsNumber	998877665	State	TX		Ci	Broadsoft/XO	
CorporationType	CORPORATION	Zip	75013		Carrier	Communications	
RegistrationType	LIMITED LIABILITY COMPANY			-	Prepaid	No	
IncorporationState	DE	Field	Value				
IncorporationDate	2014-12-22	AddressLine1	700 Central Expy S		Field	Value	
FilingNumber	0987654321		Suite 390		Number	8669182409	
Industries	DATA PROCESSING AND	City	Allen		Classification	Business	
	PREPARATION	State	TX		Туре	VoIP	
Domains	GIACT.COM	Zip	75013		Carrier	Other	
					Prepaid	No	

Business Contacts

Melissa Townsley, CEO Merlin Bise, CTO

Sniper Africa

To return a match on the gOFAC service for a business name, you can use the name "Sniper Africa". This is the only business name that will return a match on the gOFAC service in the default Sandbox environment. If you need additional names added to your API User's custom list, contact your integration support coordinator.

Test Data for Mobile Phone Number

There are many possible responses from the gMobile service. You may create your own test mobile phone numbers using the information below to force all possible response combinations.

Digit 1 – Mobile Number Match

- 0 returns a response that the phone number belongs to a land line.
- 1 returns a match to a mobile device on a participating mobile network

Digit 2 – Mobile Identity Age

- 1. LessThanWeek
- 2. From8To30Days
- 3. From31To90Days
- 4. From91To180Days
- 5. From181To365Days
- 6. From1To2Years
- 7. From2To4Years
- 8. From4To6Years
- 9. GreaterThan6Years

Digit 3 – Mobile Network Operator

- 1. ASM Assurance Wireless
- 2. ATT AT&T Wireless
- 3. BST Boost Mobile
- 4. SPR Sprint
- 5. VMU Virgin Mobile USA
- 6. VZW Verizon Wireless
- 7. TMU T-Mobile USA

Digit 4 – Mobile Account Status

- 1. Absent
- 2. Active
- 3. Deactivated
- 4. Suspended
- 5. Unknown

Digit 5 – Mobile Account Payment Type

- 1. Hybrid
- 2. Postpaid
- 3. Prepaid
- 4. Unknown

Digit 6 – Mobile Account Owner Type

- 1. Manager
- 2. Member
- 3. Owner
- 4. Unknown

Digit 7 – Mobile Account User Type

- 1. Business
- 2. Employee
- 3. Government
- 4. Personal
- 5. Unknown
- 6. Wholesale

Digit 8 – Status Event 1 year ago

- 1. DeviceChange
- 2. MSISDNChange
- 3. NetworkStatusChange
- 4. Ported
- 5. SIMSwap

Digit 9 – Status Event 1 month ago

- 1. DeviceChange
- 2. MSISDNChange
- 3. NetworkStatusChange
- 4. Ported
- 5. SIMSwap

Digit 10 – Status Event 1 day ago

- 1. DeviceChange
- 2. MSISDNChange
- 3. NetworkStatusChange
- 4. Ported
- 5. SIMSwap

Sample Test Phone Numbers

Below are a few sample test phone numbers to show how you can create your own.

Phone Number: 1122234321

Mobile Identity Age: LessThanWeek

Mobile Network Operator: ATT Mobile Account Status: Active Mobile Account Payment Type: Postpaid Mobile Account Owner Type: Owner Mobile Account User Type: Personal

Status Events

Event Type	Event Date
DeviceChange	10/14/2015
MSISDNChange	09/15/2015
NetworkStatusChange	10/15/2014

Phone Number: 1864322154

Mobile Identity Age: From4To6Years

Mobile Network Operator: VZW Mobile Account Status: Suspended Mobile Account Payment Type: Prepaid Mobile Account Owner Type: Member Mobile Account User Type: Employee

Status Events

Event Type	Event Date
Ported	10/14/2015
SIMSwap	09/15/2015
DeviceChange	10/15/2014

Phone Number: 1543411435

Mobile Identity Age: From181To365Days

Mobile Network Operator:

Mobile Account Status: Deactivated Mobile Account Payment Type: Unknown Mobile Account Owner Type: Manager Mobile Account User Type: **Business**

Status Events

Event Type	Event Date
SIMSwap	10/14/2015
NetworkStatusChange	09/15/2015
Ported	10/15/2014