VeracityHub Phone Services API V2

Version 2.0.0

Base URL

https://api.veracityhub.io/v2

Generated On

19 Nov 2026, 09:30 AM

Service

Phone verify

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Overview

Services Summary

The **VeracityHub API** provides comprehensive phone verification, identity matching, and data enrichment services powered by proprietary data integrations.

Available Services

- **One Time Passcode (OTP):** Two-step OTP verification process
  - `/verify/start` - Send an OTP to a phone number
  - `/verify/complete` - Verify the OTP code and complete phone verification
- **OTP Reverse Bundle:** OTP verification with automatic reverse data append
  - `/verify/reverse-start` - Send an OTP to a phone number
  - `/verify/reverse-complete` - Verify the OTP and return enriched subscriber data
- **Identity Verify:** Match identity information against phone number
  - `/verify/identity` - Verify identity data using our identity matching service
- **Reverse Data Append:** Enrich phone records with additional data
  - `/data/append` - Normalize phone number and merge metadata
- **Number Verify:** Get carrier information
  - `/verify/carrier` - Retrieve carrier details for a phone number
- **Valid Contact:** Validate contact details using name and optional phone, email, and address
  - `/valid-contact` - Verify and enrich contact information
- **Call Eligibility:** Check whether a phone number is eligible to be called
  - `/verify/call-eligibility` - Check call eligibility for a phone number

Authorization

- Each client is issued a unique **API Token** by VeracityHub Support. This token is a string value that authenticates your application against the VeracityHub API services.
- All HTTP requests to the API *must* include this token in the request headers under the header key `X-API-Token`.
- Requests without this header, or with an invalid token, will result in an `HTTP 401 Unauthorized` response.
- For security, keep your API Token confidential. Do not embed it directly in client-side code or expose it in publicly accessible environments.

One Time Passcode (OTP) Notes

`/verify/start`

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- The `/verify/start` endpoint enforces a **2-minute cooldown interval** per unique phone number. This means that a single phone number can only be issued one OTP (one-time password) request within any given 2-minute window. Subsequent requests made before the cooldown expires will return an `HTTP 400 Bad Request` response with a descriptive error message.
- The SMS template delivered to end users, which contains the OTP code, is **pre-configured and managed at the account level**. If your business requirements necessitate adjustments to the message content (for example: branding, legal disclosures, or localization), please contact support@veracityhub.io to coordinate the update.

`/verify/complete`

- Upon successful OTP verification, the `/verify/complete` endpoint returns a successful verification response indicating that the phone number has been verified. No reverse lookup or data enrichment is performed by this endpoint.

`/verify/reverse-start`

- The `/verify/reverse-start` endpoint initiates the OTP Reverse Bundle workflow by sending a one-time passcode (OTP) to the supplied phone number. After the user receives the verification code, submit it to the `/verify/reverse-complete` endpoint to verify the OTP and automatically perform a Reverse Data Append.

`/verify/reverse-complete`

- The `/verify/reverse-complete` endpoint verifies the OTP and automatically performs a Reverse Data Append. If subscriber data is available, it is returned in the `meta` object. If no match is found, the `meta` fields will contain `null` values while maintaining a consistent response schema.

`/verify/identity`

- The Identity Match service uses various trusted data sources with Identity Match to verify that provided identity information matches the phone number owner. It returns match scores for each field provided (exact_match, partial_match, no_match, or null if not checked) along with an overall veracity_score (0-100).
- All identity fields except `phone_number` are optional. The more fields you provide, the more comprehensive the identity verification will be.

Need help? Contact Support.

Authentication

Scheme	ApiTokenAuth
Type	apiKey
Header	X-API-Token

Endpoints

GET /ping

API health check

Tags

- Health

Status	Description
200	Successful response

Response Example (200)

```
{
    "pong": false
}
```

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POST **/verify/start**

Start OTP Verification

Sends a one-time passcode (OTP) via SMS to the provided phone number.

Rate Limiting: A 2-minute cooldown is enforced per phone number.

Demo Mode: Use phone number `7777777777` to get a canned demo response.

Request Parameters

Name	Type	Required
phone_number	string	Yes

Request Example

```
{
    "phone_number": "5551234567"
}
```

Tags

- One Time Passcode (OTP)

Status	Description
200	Verification code sent successfully
400	Bad request (cooldown, invalid input, or other failure)
401	Unauthorized (missing or invalid API token)
429	Too many requests (rate limited)

Response Example (200)

```
{
    "success": true,
    "status": "",
    "carrier_name": "",
    "carrier_type": "",
    "message": "Success",
    "phone": "",
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

Response Example (400)

```
null
```

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POST /verify/complete

Complete OTP Verification

Validates the OTP code and completes phone verification.

No reverse lookup or subscriber data enrichment is performed by this endpoint.

Demo Mode: Use phone number `7777777777` to get a canned demo response.

Request Parameters

Name	Type	Required
phone_number	string	Yes
code	string	Yes

Request Example

```
{
    "phone_number": "5551234567",
    "code": ""
}
```

Tags

- One Time Passcode (OTP)

Status	Description
200	Verification result
400	Bad request (no pending verification or invalid code)
401	Unauthorized (missing or invalid API token)
429	Too many requests (rate limited)

Response Example (200)

```
{
    "success": true,
    "message": "Success",
    "data": null,
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

Response Example (400)

```
null
```

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POST **/verify/reverse-start**

Start OTP Reverse Bundle

Sends an OTP to begin the OTP Reverse Bundle workflow.

Rate Limiting: A 2-minute cooldown is enforced per phone number.

Demo Mode: Use phone number `7777777777` to get a canned demo response.

Request Parameters

Name	Type	Required
phone_number	string	Yes

Request Example

```
{
    "phone_number": "5551234567"
}
```

Tags

- OTP Reverse Bundle

Status	Description
200	Verification code sent successfully
400	Bad request (cooldown, invalid input, or other failure)
401	Unauthorized (missing or invalid API token)
429	Too many requests (rate limited)

Response Example (200)

```
{
    "success": true,
    "status": "",
    "carrier_name": "",
    "carrier_type": "",
    "message": "Success",
    "phone": "",
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

Response Example (400)

```
null
```

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POST /verify/reverse-complete

Complete OTP Reverse Bundle

Validates the OTP code and automatically performs a Reverse Data Append, returning enriched subscriber information when available.

Demo Mode: Use phone number `7777777777` to get a canned demo response.

Request Parameters

Name	Type	Required
phone_number	string	Yes
code	string	Yes

Request Example

```
{
    "phone_number": "5551234567",
    "code": ""
}
```

Tags

- OTP Reverse Bundle

Status	Description
200	Verification result
400	Bad request (no pending verification or invalid code)
401	Unauthorized (missing or invalid API token)
429	Too many requests (rate limited)

Response Example (200)

```
{
    "success": true,
    "message": "Success",
    "data": {
        "phone": "",
        "status": "",
        "meta": [],
        "verified_at": ""
    },
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

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Response Example (400)

```
null
```

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POST **/verify/identity**

Verify identity information against phone number

Uses Twilio's Lookup v2 API with Identity Match to verify that provided identity information matches the phone number owner. Returns match scores for each field and an overall veracity score (0-100).

All fields except phone_number are optional. The more fields you provide, the more comprehensive the verification will be.

Match Results: Each field returns one of: `exact_match`, `partial_match`, `no_match`, or `null` (if not checked or unavailable).

Request Parameters

Name	Type	Required
phone_number	string	Yes
first_name	string	No
last_name	string	No
address_1	string	No
city	string	No
state	string	No
postal_code	string	No
country	string	No
date_of_birth	string	No
email	string	No

Request Example

```
{
    "phone_number": "5551234567",
    "first_name": "",
    "last_name": "",
    "address_1": "",
    "city": "",
    "state": "",
    "postal_code": "",
    "country": "",
    "date_of_birth": "1990-01-01",
    "email": "john@example.com"
```

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```
}
```

Tags

- Identity Verify

Status	Description
200	Identity match completed successfully
400	Bad request (invalid phone number or lookup failed)
401	Unauthorized (missing or invalid API token)
402	Payment required (insufficient funds)
429	Too many requests (rate limited)
500	Unexpected server error

Response Example (200)

```
{
    "success": true,
    "message": "Success",
    "data": null,
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

Response Example (400)

```
null
```

Response Example (402)

```
null
```

Response Example (500)

```
null
```

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POST **/data/append**

Append data to a phone number

Normalizes a 10-digit US `phone_number` to E.164, performs a reverse-phone lookup if no record exists, persists the record as `verified`, and merges optional `data` into the record's `meta`.

Demo behavior: When `phone_number` is `7777777777` (i.e., `+17777777777` after normalization), a canned demo response is returned.

Mapping-aware responses: The response body is processed through a server-side mapping layer (`ResponseMapper`) scoped by `api_token_id`, so field names or shapes may be transformed based on your configuration.

Request Parameters

Name	Type	Required
phone_number	string	Yes
data	object	No

Request Example

```
{
    "phone_number": "5551234567",
    "data": []
}
```

Tags

- Reverse Data Append

Status	Description
200	Data appended or returned successfully.
400	Validation error (e.g., phone_number not exactly 10 digits; invalid data type).
401	Unauthorized (missing or invalid API token)
429	Too many requests (rate limited)
500	Unexpected server error.

Response Example (200)

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```
{
    "success": true,
    "message": "Success",
    "data": {
        "phone": "",
        "status": "",
        "meta": [],
        "verified_at": ""
    }
}
```


Response Example (400)


```
null
```


Response Example (500)


```
null
```


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POST /verify/carrier

Get carrier information for phone number

Retrieves carrier information including carrier name, type (mobile/landline/voip), and mobile network codes for a given phone number.

Request Parameters

Name	Type	Required
phone_number	string	Yes

Request Example

```
{
    "phone_number": "5551234567"
}
```

Tags

- Number Verify

Status	Description
200	Carrier information retrieved successfully
400	Invalid phone number
401	Unauthorized (missing or invalid API token)
429	Too many requests (rate limited)

Response Example (200)

```
{
    "success": true,
    "data": {
        "carrier_name": "",
        "carrier_type": "",
        "mobile_country_code": "",
        "mobile_network_code": "",
        "line_status": "",
        "veracity_risk_score": ""
    },
    "message": "Success",
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

Response Example (400)

```
null
```

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POST **/verify/call-eligibility**

Check call eligibility for a phone number

Checks whether a US phone number is eligible to be called.

The service checks the phone number against applicable Do Not Call, litigator, and call eligibility data sources.

Service Access: Call Eligibility must be enabled for your organization before this endpoint can be used. If the service is not enabled, the API returns an HTTP 403 Forbidden response.

Important: This endpoint performs a real-time call eligibility check.

Request Parameters

Name	Type	Required
phone_number	string	Yes

Request Example

```
{
    "phone_number": "5551234567"
}
```

Tags

- Call Eligibility

Status	Description
200	Call eligibility check completed successfully
400	Invalid phone number
401	Unauthorized (missing or invalid API token)
403	Call Eligibility service is not enabled for the organization
429	Too many requests (rate limited)
500	Unexpected server error

Response Example (200)

```
{
```

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```
    "success": true,
    "message": "Success",
    "status_code": 0,
    "data": {
        "phone_number": "5551234567",
        "result_code": "",
        "reason": "",
        "country": "",
        "region": "",
        "can_call": false
    },
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```


Response Example (400)


```
null
```


Response Example (403)


```
null
```


Response Example (500)


```
null
```


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POST **/valid-contact**

Validate contact information

Sends contact details to the Trestle Real Contact API 2.0.

The complete provider response is preserved in data.

Request Example

```
{
    "name": "",
    "phone": "",
    "email": "john@example.com",
    "address": {
        "street_line_1": "",
        "city": "",
        "state_code": "",
        "postal_code": "",
        "country_code": ""
    },
    "ip_address": ""
}
```

Tags

- Valid Contact

Status	Description
200	Valid Contact check completed successfully
401	Missing or invalid API token
422	Request validation failed
429	API rate limit exceeded
502	Provider request failed

Response Example (200)

```
{
    "success": true,
    "message": "Success",
    "status_code": 0,
    "data": [],
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```

Response Example (422)

```
{
    "message": "Success",
    "errors": []
}
```

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Response Example (502)


```
{
    "success": true,
    "message": "Success",
    "status_code": 0,
    "data": [],
    "request_id": "xxxxxxxx-xxxx-xxxx"
}
```


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