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ATM Locator

Overview

The ATM Locator resource enables you to search for ATMs that accept American Express Cards in a given area using location-based search criteria such as address, city, ZIP Code, or a geolocation.

The ATM Locator provides two matching endpoints which enable searching for ATMs by either an address or a geolocation.

- `HEAD /atms`: Allows use of all search filters found in `GET /atms` below but returns only the `x-total-count` header.
- `GET /atms`: Provides a full-featured search interface that allows filtering for all ATMs which accept AMEX cards within a specified location.

Pagination is optional through the use of the `limit` and `offset` arguments.

Important Note: *Limit defaults to 10 and has a maximum value of 100 records. If `x-total-count` is greater than 100, use `offset` to page through the complete result set.*

General Information

SECURITY: API KEY

✓ `x-amex-api-key` Header Required

Learn more about API Key security.

AVAILABLE MEDIA-TYPES

`application/json`

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PRODUCT ENDPOINTS

/servicing/v1/banks/atms

SAMPLE CODE

Java client library and samples
https://github.com/americanexpress/amex-api-java-client-core

.NET client library and samples
https://github.com/americanexpress/amex-api-dotnet-client-core

HEAD /atms

Usage

ATM LOCATOR - ATM COUNT

This command is used to validate the result count of a specified query without incurring the overhead of the payload.

Please see the `GET /atms` specification for details.

Properties

`x-total-count:` `data:` *Optional*

`in: header`

This method can be used for obtaining meta-information about the entity implied by the request without transferring the entity-body itself. This method is often used for testing hypertext links for validity, accessibility, and recent modification.

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Responses

200

This field provides the result count for the specified query.

```
x-total-count: number

in: header        This field provides the total number of ATMs that will be returned.
```

EXAMPLE

Geocode - California

REQUEST HEADERS

```
HEAD https://api.qasb.americanexpress.com/servicing/v1/banks/atms?radius_unit=MI&
x-amex-api-key : A1W4LlXwgzH54HJFhihiPIKm4xdJARjk
x-amex-request-id: AA3434342323
Accept: application/json
```

REQUEST BODY

```
N/A
```

RESPONSE (200) OK

RESPONSE HEADERS

```
HTTP/1.1 200 OK
Content-Type: application/json
x-total-count: 655
x-amex-request-id: AA3434342323
```

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GET /atms

Usage

ATM LOCATOR - ATM SEARCH

This resource returns a list of ATM locations with their properties. The search can be performed for a given location and search radius. The search can be further filtered based on different properties of the ATM location. Filter properties are optional, and unless specified, do not affect the search results.

The ATM Locator has the potential to return many ATMs and therefore supports paging. You can also use `HEAD /atms` to determine the number of ATMs for a specific query before requesting the data.

Properties

`x-amex-api-key: string, 36:` *Required*

`in: header`
This field provides the Partner application's Client Key for accessing this API.

Learn more about API Key security

e.g., `cOthV4ao4Xxho1BzrIXcOf8CTJXUONdj`

`x-amex-request-id: string:` *Required*

`in: header`
This field provides the unique ID **generated by the caller.**

e.g., `AA3434342323`

`latitude: number:` *Optional*

`in: query`
This field specifies the latitude of the point of origin around which the customer would like to search.

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`in: query`

This field specifies the longitude of the point of origin around which the customer would like to search.

Note: *This field is required if address is not used.*

e.g., `52.2768309`

`address: string: `*Optional*

`in: query`

This field specifies the country-specific address representing the point of origin around which the customer would like to search. Details should include: street, city, and provincial details as appropriate.

Notes:

- *This field is required if longitude/latitude is not used.*
- *If longitude/latitude are supplied, they take the priority over address as the origin of the search.*

e.g., `200 Vesey St, New York, NY 10285`

`country_code: string, 2: `*Optional*

`in: query`

This field specifies the country code of the point of origin. The format is ISO Alpha-2 Country (see: ISO 3166).

Note: *This field is required if address is used.*

e.g., `GB`

`state: string, 2: `*Optional*

`in: query`

This field specifies the state of the point of origin. The format is ISO Alpha-2 State.

Note: *This field is required if address is used.*

e.g., `MI`

`postal_code: string, 10: `*Optional*

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`radius: number:` *Optional*

`in: query`

This field specifies the search radius. The default value is 50.

e.g., `5`

`radius_unit: string, 2:` *Optional*

`in: query`

This field specifies the unit of the search radius. Accepted Values:

- `MI` = Miles
- `KM` = Kilometers

The default value is MI.

e.g., `MI`

`limit: number:` *Optional*

`in: query`

Supporting paging: This value limits the number of objects returned, up to the specified value.

- `Default` = 100
- `Max` = 100

e.g., `20`

`offset: number:` *Optional*

`in: query`

Supporting paging: This field specifies the zero-based starting position of the first object returned from within the total result set, automatically adjusted to the start of a page based on the value of `limit`.

e.g., `40` could be used to retrieve page 3 if using a `limit` of `20` .

`name: string, 150:` *Optional*

`in: query`

This field specifies the name of the ATM.

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Example: To access the ATM after hours, the customer must be a customer of the bank in which the ATM is located.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g.,   `true`

`wheelchair_access:` `boolean:` *Optional*

`in:` `query`

This field indicates whether the ATM is accessible for someone with disabilities or in a wheelchair.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g.,   `true`

`braille_enabled:` `boolean:` *Optional*

`in:` `query`

This field indicates whether audio or Braille is available for accessing this ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g.,   `true`

`no_fee:` `boolean:` *Optional*

`in:` `query`

This field indicates whether a surcharge/fee may be incurred for using the ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g.,   `true`

`chip:` `boolean:` *Optional*

`in:` `query`

This field indicates whether the ATM supports chip-enabled Member cards.

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`pin: boolean:` *Optional*

`in: query`

This field indicates whether PIN management is enabled at the ATM. PIN management may allow the Card Member to change their PIN and potentially perform other actions.

Note: *No default is provided. Only include this if you want to filter by this property.*

e.g., `true`

`balance_inquiry: boolean:` *Optional*

`in: query`

This field indicates whether a Card Member can check their balance at the ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

`deposit_accepting: boolean:` *Optional*

`in: query`

This field indicates whether the ATM accepts deposits.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

`contactless: boolean:` *Optional*

`in: query`

This field indicates whether the ATM allows contactless transactions.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

`multi_currency: boolean:` *Optional*

`in: query`

This field indicates whether the ATM dispenses multiple currencies.

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`withdraw_limit:` `boolean:` *Optional*

`in: query`

This field indicates whether the ATM has a withdrawal limit.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

`mobile_top_up:` `boolean:` *Optional*

`in: query`

This field indicates whether a Card Member can top up their mobile at the ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

Responses

`200`

This field indicates if the request was processed successfully.

Upon a `200`, an array of ATMs that match the specified criteria will be returned.

`x-total-count:` `number`

`in: header`

This field indicates the total number of ATMs found within the specified search criteria.

`x-amex-request-id:` `string`

`in: header`

This field specifies the unique ID sent with the request.

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`identity: object: Optional`

This field provides the identification of the ATM.

`name: string: Optional`

This field provides the name of the ATM.

e.g., `THE WINDMILL`

`terminal_id: string: Optional`

This field specifies the terminal ID of the ATM.

e.g., `9422237248`

`geolocation: object: Optional`

This field provides the specific or estimated real-world geographic location of an ATM.

`latitude: number: Optional`

This field indicates the latitude of the ATM's location.

e.g., `-1.5459487`

`longitude: number: Optional`

This field indicates the longitude of the ATM's location.

e.g., `52.2768309`

`distance: number: Optional`

This field indicates the distance from origin to ATM.

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This field provides information contained in the specific address of a location.

street: string: *Optional*

This field specifies the name of the street.

e.g., TACHBROOK ROAD

sub_division: string: *Optional*

This field specifies the sub-division (if any) of the ATM's location.

e.g., LEAMINGTON SPA

airport_code: string: *Optional*

This field specifies the international airport code. The format is IATA Alpha-3 (see: World Airport Codes).

e.g., JCA

city: string: *Optional*

This field specifies the city where the ATM is located.

e.g., LEAMINGTON SPA

state: string: *Optional*

This field specifies the state where the ATM is located.

e.g., UNITED KINGDOM

postal_code: string: *Optional*

This field specifies the Postal Code where the ATM is located.

e.g., CV31 3DD

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e.g., GB

country_name: string: *Optional*

This field specifies the name of the country where the ATM is located.

e.g., UNITED KINGDOM

attributes: object: *Optional*

This field provides information relating to the operational features of an ATM.

bank_name: string: *Optional*

This field provides the name of the bank hosting the ATM.

e.g., ABC BANK

routing_number: number: *Optional*

This field provides the routing number of the bank.

e.g., 9422237248

hours: string: *Optional*

This field specifies the hours when the ATM is accessible.

e.g., 24x7

multi_currency: boolean: *Optional*

This field indicates whether the ATM dispenses multiple currencies.

Note: *No default is provided. Only include this option if you want to filter by this property.*

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Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

withdraw_limit: boolean: *Optional*

This field indicates whether the ATM has a withdrawal limit.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

balance_inquiry: boolean: *Optional*

This field indicates whether a Card Member can check their balance at this ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

no_fee: boolean: *Optional*

This field indicates whether a surcharge/fee may be incurred for using this ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

wheelchair_access: boolean: *Optional*

This field indicates whether the ATM is accessible for someone with disabilities or in a wheelchair.

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restricted_access: boolean: *Optional*

This field indicates whether the ATM access is restricted in any way.

Example: To access the ATM after hours, the customer must be a customer of the bank in which the ATM is located.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., true

braille_enabled: boolean: *Optional*

This field indicates whether audio or Braille access is available for the ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., true

contactless: boolean: *Optional*

This field indicates whether the ATM allows contactless transactions.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., true

pin: boolean: *Optional*

This field indicates whether PIN management is enabled at the ATM. PIN management may allow the Card Member to change their PIN and potentially perform other actions.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., true

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filter by this property.

e.g., `true`

mobile_top_up: boolean: *Optional*

This field indicates whether a Card Member can top up their mobile at the ATM.

Note: *No default is provided. Only include this option if you want to filter by this property.*

e.g., `true`

_link: array: *Optional*

in: body

This field provides information pertaining to the link.

rel: string, 10: *Optional*

This field specifies the link relationship to the previous request. Possible values include:

- Next
- Previous

e.g., `next`

href: string, 2000: *Optional*

This field specifies the URI for the link.

e.g., `/locations/atms?offset=40&limit=20`

method: string, 6: *Optional*

This field specifies the HTTP method used.

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This code indicates a 'Bad Request' has occurred.

`x-amex-request-id: string`

`in: header`

This field provides the unique ID sent with the request.

`error_code: string, 6:` *Optional*

`in: body`

This field provides a detailed error code.

Please see Standard Error Codes for additional details.

e.g., `104010`

`error_type: string:` *Optional*

`in: body`

This field provides a brief description of the error.

e.g., `invalid_request`

`error_description: string:` *Optional*

`in: body`

This field provides a user-friendly, detailed error description.

e.g., `Invalid request data or missing mandatory parameters`

`more_info: object:` *Optional*

`in: body`

This field provides additional information related to the error, including low-level error codes and information.

e.g., `1006 - No data found for search criteria`

`response_code: string:` *Optional*

This field provides a detailed error code.

e.g., `1007`

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e.g., Mandatory elements missing in request

401

This 'Unauthorized' code indicates a failure has occurred within the security credentials.

x-amex-request-id: `string`

in: `header`
    This field provides the unique ID sent with the request.

error_code: `string, 6:` *Optional*

in: `body`
    This field provides a detailed error code.

    Please see Standard Error Codes for additional details.

    e.g., `104010`

error_type: `string:` *Optional*

in: `body`
    This field provides a brief description of the error.

    e.g., `unauthorized`

error_description: `string:` *Optional*

in: `body`
    This field provides a user-friendly, detailed error description.

    e.g., `Invalid API Key identified on the gateway`

404

This code indicates 'Not Found'.

x-amex-request-id: `string`

in: `header`
    This field provides the unique ID sent with the request.

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Please see Standard Error Codes for additional details.

e.g., `104040`

error_type: string: *Optional*

in: body

This field provides a brief description of the error.

e.g., `not_found`

error_description: string: *Optional*

in: body

This field provides a user-friendly, detailed error description.

e.g., `Requested resource not found`

more_info: object: *Optional*

in: body

This field provides additional information related to the error, including low-level error codes and information.

e.g., `1006 No data found for search criteria`

response_code: string: *Optional*

This field provides a detailed error code.

e.g., `1006`

response_msg: string: *Optional*

This field provides a user-friendly, detailed error description.

e.g., `No data found for search criteria`

405

This code indicates an 'Invalid HTTP Verb'.

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error_code: string, 6: *Optional*

in: body

This field provides a detailed error code.

Please see Standard Error Codes for additional details.

e.g., `104050`

error_type: string: *Optional*

in: body

This field provides a brief description of the error.

e.g., `invalid_http_verb`

error_description: string: *Optional*

in: body

This field provides a user-friendly, detailed error description.

e.g., `Invalid HTTP verb for the requested resource`

429

This code indicates that 'Too Many Requests' have occurred.

x-amex-request-id: string

in: header

This field provides the unique ID sent with the request.

error_code: string, 6: *Optional*

in: body

This field provides a detailed error code.

Please see Standard Error Codes for additional details.

e.g., `104290`

error_type: string: *Optional*

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`in: body`

This field provides a user-friendly, detailed error description.

e.g., `Exceeded configured rate limit for the API, please try again later`

500

This code indicates that an 'Internal Error' error has occurred within the American Express systems.

`x-amex-request-id: string`

`in: header`

This field contains the unique ID sent with the request.

`error_code: string, 6: Optional`

`in: body`

This field contains a detailed error code.

Please see Standard Error Codes for additional details.

e.g., `105000`

`error_type: string: Optional`

`in: body`

This field contains a brief description of the error.

e.g., `internal_error`

`error_description: string: Optional`

`in: body`

This field contains a user-friendly, detailed error description.

e.g., `Severe internal server error occurred`

`more_info: object: Optional`

`in: body`

This field contains additional information related to the error, including low-level

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This field contains a detailed error code.

e.g., `1006`

`response_msg:` `string:` *Optional*

This field contains a user-friendly, detailed error description.

e.g., `No data found for search criteria`

503

This code indicates 'Service Unavailable'.

`x-amex-request-id:` `string`

`in: header`
This field contains the unique ID sent with the request.

`error_code:` `string, 6:` *Optional*

`in: body`
This field contains a detailed error code.

Please see Standard Error Codes for additional details.

e.g., `105030`

`error_type:` `string:` *Optional*

`in: body`
This field contains a brief description of the error.

e.g., `service_unavailable`

`error_description:` `string:` *Optional*

`in: body`
This field contains a user-friendly, detailed error description.

e.g., `API is currently not available, please try again later`

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x-amex-request-id: string

in: header

This field contains the unique ID sent with the request.

error_code: string, 6: *Optional*

in: body

This field contains a detailed error code.

Please see Standard Error Codes for additional details.

e.g., 105040

error_type: string: *Optional*

in: body

This field contains a brief description of the error.

e.g., connection_timeout

error_description: string: *Optional*

in: body

This field contains user-friendly, detailed error description.

e.g., API connection timeout occurred

EXAMPLE

Geocode - California

REQUEST HEADERS

```
GET https://api.qasb.americanexpress.com/servicing/v1/banks/atms?radius_unit=MI&r
x-amex-api-key : A1W4LlXwgzH54HJFhihiPIKm4xdJARjk


x-amex-request-id: AA3434342323
Accept: application/json
```

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RESPONSE (200) OK

RESPONSE HEADERS

```
HTTP/1.1 200 OK
Content-Type: application/json
x-total-count: 655
x-amex-request-id: AA3434342323
```

RESPONSE BODY

```
{
  "ATMs": [
    {
      "identity": {
        "name": "San Fran. Marriott",
        "terminal_id": "1007004973"
      },
      "geolocation": {
        "latitude": "37.602807",
        "longitude": "-122.37152",
        "distance": "0.5039"
      },
      "address": {
        "street": "1800 Bayshore Hwy",
```

Available Sandbox Test Stories

Amex for Developers has created a Sandbox for use by all developers. The Sandbox provides sanitary data available to everyone and represents the capabilities of the API.

To access the Sandbox, all you will need is an Application Key and Secret, which can be obtained immediately by signing into Amex for Developers, creating a Keyring, and adding the API to your Keyring.
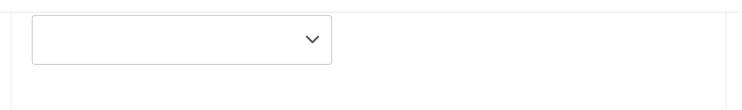
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⌄

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