**Addresser API Documentation**

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Addresser

**Introduction**

The Addresser API endpoints are accessed using HTTP GET requests. On success they will return a HTTP status code 200 OK and a JSON formatted result. On error they will return an error code.

The Addresser API base URL's are:

**HTTP**

http://api.example.com.au/

**HTTP over SSL**

https://api.example.com.au/

Addresser Endpoints

**api/v1.0/typesearch**

Returns a list of complete addresses for the given incomplete address term.

**Arguments**

**api\_key** (Required)

Your API key.

**address** (Required)

The start of an address.

**max\_results** (Optional)

The maximum number of results to return (minumum: 1, maximum: 20, default: 10).

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/typesearch?api\_key={your API key}&address=1+george+st+t&max\_results=5

**Example Response**

["1 GEORGE ST, TAMBELLUP WA 6320", "1 GEORGE ST, TANUNDA SA 5352", "1 GEORGE ST, TAYLORS HILL VIC 3037", "1 GEORGE ST, TELARAH NSW 2320", "1 GEORGE ST, TENTERFIELD NSW 2372", "1 GEORGE ST, TEWANTIN QLD 4565", "1 GEORGE ST, THEBARTON SA 5031", "1 GEORGE ST, TIGHES HILL NSW 2297", "1 GEORGE ST, TIMBOON VIC 3268", "1 GEORGE ST, TIVOLI QLD 4305"]

**api/v1.0/info**

Returns a parsed address, longitude, latitude, and whether the address is valid in a single call.

**Arguments**

**api\_key** (Required)

Your API key.

**address** (Required)

The address to return information for.

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/info?api\_key={your API key}&address=1+george+st+sydenham+nsw+2044

**Example Response**

{"Suburb":"SYDENHAM", "Number":"1", "NumberFirst":"1", "NumberLast":null, "StreetSuffix":null, "StreetSuffixFull":null, "State":"NSW", "Street":"GEORGE", "StreetLine":"1 GEORGE ST", "BuildingName":null, "StreetType":"ST", "StreetTypeFull":"STREET", "UnitType":null, "UnitTypeFull":null, "UnitNumber":null, "LevelType":null, "LevelTypeFull":null, "LevelNumber":null, "Postcode":"2044", "Longitude":151.17056839, "Latitude":-33.91759949, "Meshblock":"10516310000", "Valid":true}

**api/v1.0/getSimilar**

Returns a list of valid addresses that are similar to the given address or are the correct version of an alias/vanity address, can be used to match misspelled, incorrect and alias/vanity addresses to valid addresses.

**Arguments**

**api\_key** (Required)

Your API key.

**address** (Required)

The term to find similar addresses for

**max\_results** (Optional)

The maximum number of results to return (minumum: 1, maximum: 10, default: 10).

**aliases\_only** (Optional)

Will compare the given address to aliases and will limit the returned list to only the correct address of a given alias.

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/getSimilar?api\_key={your API key}&address=1+gorge+rd+sydenhum+qld+2044

**Example Response**

["1 GEORGE ST, SYDENHAM NSW 2044"]

**api/v1.0/validate**

Checks whether the given address is valid.

**Arguments**

**api\_key** (Required)

Your API key.

**address** (Required)

The address to validate.

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/validate?api\_key={your API key}&address=1+george+st+sydenham+nsw+2044

**Example Response**

true

**api/v1.0/geocode**

Returns the longitude and latitude for a given address term.

**Arguments**

**api\_key** (Required)

Your API key.

**address** (Required)

The address to geocode.

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/geocode?api\_key={your API key}&address=1+george+st+sydenham+nsw+2044

**Example Response**

{"Longitude":151.17056839,"Latitude":-33.91759949}

**api/v1.0/meshblock**

Returns the ABS meshblock for a given address.

**Arguments**

**api\_key** (Required)

Your API key.

**address** (Required)

The address to return a meshblock for.

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/meshblock?api\_key={your API key}&term=1+george+st+sydenham+nsw+2044

**Example Response**

"10516310000"

**api/v1.0/getDailyAPICallCount**

Returns the current daily API call count for your account. This counter will reset at 12:00 AM AEST. When this counter reaches the daily API call limit for your account type all other API calls will throw a 1002 error code until the counter resets. Will return -1 if the api\_key does not exist.

**Arguments**

**api\_key** (Required)

Your API key.

**jsonp** (Optional)

JSONP callback function name, if omitted the API will return JSON.

**Example Call**

http://api.example.com.au/api/v1.0/getDailyAPICallCount?api\_key={your API key}

**Example Response**

1000

Error Codes

**1000 Missing Parameter**

Is returned when a required parameter is missing

**HTTP Status Code**

400 Bad Request

**errorCode**

1000

**errorMessage**

Required parameter missing: {parameter}

**Example Response**

{"errorCode":1000,"errorMessage":"Required parameter missing: term"}

**1001 API Key Incorrect**

Is returned when the API key is missing or incorrect

**HTTP Status Code**

401 Unauthorized

**errorCode**

1001

**errorMessage**

api\_key missing or incorrect

**Example Response**

{"errorCode":1001,"errorMessage":"api\_key missing or incorrect"}

**1002 Daily Calls Exceeded**

Is returned when the daily call allocation is exceeded on a plan with a set daily call limit

**HTTP Status Code**

400 Bad Request

**errorCode**

1002

**errorMessage**

Daily API call allocation exceeded

**Example Response**

{"errorCode":1002,"errorMessage":"Daily API call allocation exceeded"}

**1003 Incorrect Plan**

Is returned when a call is made to an endpoint that is unavailable on the current plan

**HTTP Status Code**

400 Bad Request

**errorCode**

1003

**errorMessage**

Call not available on this plan

**Example Response**

{"errorCode":1003,"errorMessage":"Call not available on this plan"}