

# Package ‘ptvapi’

July 23, 2025

**Title** Access the 'Public Transport Victoria' Timetable API

**Version** 2.0.5

**Description** Access the 'Public Transport Victoria' Timetable API

<<https://www.ptv.vic.gov.au/footer/data-and-reporting/datasets/ptv-timetable-api/>>,  
with results returned as familiar R data structures. Retrieve information on  
stops, routes, disruptions, departures, and more.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**Imports** httr, glue, digest, jsonlite, purrr, tibble, assertthat

**Suggests** testthat (>= 2.1.0), dplyr, lubridate

**URL** <https://github.com/mdneuzerling/ptvapi>

**BugReports** <https://github.com/mdneuzerling/ptvapi/issues>

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2024-02-18 03:30:02 UTC

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|                |                                                                                    |
|----------------|------------------------------------------------------------------------------------|
| ptvapi-package | <i>ptvapi: A package for accessing the Public Transport Victoria Timetable API</i> |
|----------------|------------------------------------------------------------------------------------|

---

**Description**

Accessing the Public Transport Victoria Timetable API requires a user ID (also called a devid) and an API key. These can be accessed by contacting Public Transport Victoria. See <https://www.ptv.vic.gov.au/footer/data-and-reporting/datasets/ptv-timetable-api/>

The user ID and API key can be entered directly into all functions. Alternatively, all functions will pick up on the PTV\_USER\_ID and API\_KEY environment variables, if defined.

All API requests use SSL by default. To disable this, and to use the http API endpoints rather than the https API endpoints, set the option:

```
options(use_insecure_ptv_connection = TRUE)
```

**Details**

This is an unofficial wrapper of the Public Transport Victoria Timetable API. The author(s) of this package are unaffiliated with Public Transport Victoria.

**Author(s)**

**Maintainer:** David Neuzerling <david@neuzerling.com> [copyright holder]

## See Also

Useful links:

- <https://github.com/mdneuzerling/ptvapi>
- Report bugs at <https://github.com/mdneuzerling/ptvapi/issues>

## Examples

```
## Not run:
# tibble of all routes
routes()

# Search for routes by name (case insensitive, partial matching supported)
routes(route_name = "Frankston")

# All current disruptions
disruptions(disruption_status = "current")

# Train stops near Flinders Street Station
stops_nearby(
  latitude = -37.8183,
  longitude = 144.9671,
  route_types = "Train"
)

# Upcoming train departures from Flinders Street Station
departures(stop_id = 1071, route_type = "Train")

## End(Not run)
```

---

departures

*Departures from a given stop*

---

## Description

departures retrieves all upcoming departures for a given stop ID and route type.

## Usage

```
departures(
  stop_id,
  route_type,
  route_id = NULL,
  direction_id = NULL,
  platform_numbers = NULL,
  departs = Sys.time(),
  look_backwards = FALSE,
  max_results = 5,
```

```

include_cancelled = FALSE,
validate_results = TRUE,
user_id = determine_user_id(),
api_key = determine_api_key()
)

```

## Arguments

|                                |                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>stop_id</code>           | An integer stop ID returned by the <code>stops_on_route</code> or <code>stops_nearby</code> functions.                                                                                                                                                                                                                                                                        |
| <code>route_type</code>        | A route type which can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types.                                                                                                    |
| <code>route_id</code>          | Optionally filter by a route ID. These can be obtained with the <code>routes</code> function.                                                                                                                                                                                                                                                                                 |
| <code>direction_id</code>      | Optionally filter by a direction ID. These can be obtained with the <a href="#">directions_on_route</a> function.                                                                                                                                                                                                                                                             |
| <code>platform_numbers</code>  | Character vector. Optionally filter results by platform number. Despite the name, these are characters.                                                                                                                                                                                                                                                                       |
| <code>departs</code>           | POSIXct or Character. Optionally filter results to departures on or after the given value, according to either scheduled or estimated departure time. Characters are automatically converted to datetimes, and are assumed to be given as Melbourne time. Defaults to the current system time.                                                                                |
| <code>look_backwards</code>    | Boolean. Whether to look before <code>departs</code> . Use with caution (see Details). Defaults to FALSE.                                                                                                                                                                                                                                                                     |
| <code>max_results</code>       | Integer. The maximum number of departures to return for each <code>route_id</code> . Departures are ordered by estimated departure time, when available, and scheduled departure time otherwise. When set to 0, all departures after the given <code>departs</code> for the entire day are shown, and potentially some in the early hours of the next morning. Defaults to 5. |
| <code>include_cancelled</code> | Logical. Whether results should be returned if they have been cancelled. Metropolitan train services only. Defaults to FALSE.                                                                                                                                                                                                                                                 |
| <code>validate_results</code>  | Boolean. If TRUE (the default), will apply additional filters to ensure that the arguments to <code>departs</code> , <code>max_results</code> , and <code>route_id</code> are respected if given.                                                                                                                                                                             |
| <code>user_id</code>           | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to <code>?ptvapi</code> for more details.                                                                                                                                                                                                                                               |
| <code>api_key</code>           | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to <code>?ptvapi</code> for more details.                                                                                                                                                                                                                                                    |

## Details

Filtering departures: The API supports filtering by departure time, to show the departures after the given time. However, its behaviour is unpredictable, returning departures around the given time,

both before and after. We apply an additional filter once the results are retrieved to ensure that only departures at or after the given `departs` datetime are shown.

It's not clear what functionality `look_backwards` has. It's included here regardless. Moreover, it's not clear how the API treats `route_id` or `max_results`. We filter the results after retrieval, to ensure that `departs`, `max_results`, and `route_id` are respected. This additional validation can be disabled by setting `validate_results = TRUE`.

## Value

A tibble consisting of the following columns:

- `stop_id`
- `route_id`
- `run_id` (deprecated, use `run_ref` instead)
- `run_ref`
- `direction_id`
- `disruption_ids`
- `scheduled_departure`
- `estimated_departure`
- `at_platform`
- `platform_number`
- `flags`
- `departure_sequence`

## Examples

```
## Not run:
departures(stop_id = 1071, route_type = "Train")
departures(stop_id = 1071, route_type = 0)
```

```
departures(
  stop_id = 1071,
  route_type = "Train",
  platform_numbers = c(4, 5)
)
```

```
departures(
  stop_id = 1071,
  route_type = "Train",
  route_id = 6
)
```

```
departures(
  stop_id = 1071,
  route_type = "Train",
  departs = "2020-06-23 17:05:00"
)
```

```
## End(Not run)
```

---

|                     |                                                                     |
|---------------------|---------------------------------------------------------------------|
| describe_route_type | <i>Convert a numeric route type to a human-friendly description</i> |
|---------------------|---------------------------------------------------------------------|

---

### Description

This function effectively wraps the results of [route\\_types](#) to translate a route type to a human-readable form, such as translating 0 to "Train". This function is *not* vectorised.

### Usage

```
describe_route_type(  
  route_type,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

### Arguments

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| route_type | Atomic integer or character.                                                                                       |
| user_id    | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key    | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

### Value

character

---

|            |                                            |
|------------|--------------------------------------------|
| directions | <i>Directions for a given direction ID</i> |
|------------|--------------------------------------------|

---

### Description

This function returns all directions with a given ID. Directions that share an ID are not necessarily related, especially if not filtering by route type. It's advised to use to the [directions\\_on\\_route](#) function to search for directions of interest.

**Usage**

```
directions(  
  direction_id,  
  route_type = NULL,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

**Arguments**

|                           |                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>direction_id</code> | Integer.                                                                                                                                                                                                                                                                                                        |
| <code>route_type</code>   | Optionally filter results by a route type. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| <code>user_id</code>      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                              |
| <code>api_key</code>      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                   |

**Value**

A tibble consisting of the following columns:

- `direction_id`
- `direction_name`,
- `route_id`
- `route_type`
- `route_type_description`
- `route_direction_description`

**Examples**

```
## Not run:  
directions(direction_id = 5)  
directions(direction_id = 5, route_type = "Train")  
directions(direction_id = 5, route_type = 0)  
  
## End(Not run)
```

---

|                     |                                    |
|---------------------|------------------------------------|
| directions_on_route | <i>Directions on a given route</i> |
|---------------------|------------------------------------|

---

## Description

Directions on a given route

## Usage

```
directions_on_route(  
  route_id,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

## Arguments

|          |                                                                                                                    |
|----------|--------------------------------------------------------------------------------------------------------------------|
| route_id | Integer. These can be listed and described with the <a href="#">routes</a> function.                               |
| user_id  | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key  | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

## Value

A tibble consisting of the following columns:

- direction\_id
- direction\_name,
- route\_id
- route\_type
- route\_type\_description
- route\_direction\_description

## Examples

```
## Not run:  
directions_on_route(6)  
  
## End(Not run)
```



---

|             |                                        |
|-------------|----------------------------------------|
| disruptions | <i>Information for all disruptions</i> |
|-------------|----------------------------------------|

---

## Description

Information for all disruptions

## Usage

```
disruptions(  
  route_types = NULL,  
  disruption_modes = NULL,  
  disruption_status = NULL,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

## Arguments

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| route_types       | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. The filter is applied to the disruption mode, rather than the routes that are affected by the disruption. For example, filtering by the "train" route type will restrict the disruptions returned to those with a mode corresponding to "metro_train". |
| disruption_modes  | Integer vector. Optionally filter by disruption modes. For a full list of modes and their corresponding descriptions, use the <code>disruptions_modes</code> function.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| disruption_status | Character. Can be used to filter to either "current" or "planned" disruptions. Defaults to NULL, in which case no filter is applied.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| user_id           | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| api_key           | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Value

A tibble with the following columns:

- disruption\_mode
- disruption\_mode\_description
- disruption\_id
- title

- url
- description
- disruption\_status
- disruption\_type
- published\_on
- last\_updated
- from\_date
- to\_date
- routes
- stops
- colour
- display\_on\_board
- display\_status

### Examples

```
## Not run:
disruptions()
disruptions(route_types = c("Train", "Tram"))
disruptions(disruption_modes = c(0, 1))
disruptions(disruption_status = "current")

## End(Not run)
```

---

|                     |                                    |
|---------------------|------------------------------------|
| disruptions_at_stop | <i>Disruptions at a given stop</i> |
|---------------------|------------------------------------|

---

### Description

Disruptions at a given stop

### Usage

```
disruptions_at_stop(  
  stop_id,  
  disruption_status = NULL,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

**Arguments**

|                   |                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| stop_id           | Integer stop ID.                                                                                                                     |
| disruption_status | Character. Can be used to filter to either "current" or "planned" disruptions. Defaults to NULL, in which case no filter is applied. |
| user_id           | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                   |
| api_key           | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                        |

**Value**

A tibble with the following columns:

- disruption\_mode
- disruption\_mode\_description
- disruption\_id
- title
- url
- description
- disruption\_status
- disruption\_type
- published\_on
- last\_updated
- from\_date
- to\_date
- routes
- stops
- colour
- display\_on\_board
- display\_status

**Examples**

```
## Not run:
disruptions_at_stop(1071)
disruptions_at_stop(1071, disruption_status = "current")

## End(Not run)
```

---

disruptions\_on\_route    *Disruptions on a given route*

---

### Description

Disruptions on a given route

### Usage

```
disruptions_on_route(
  route_id,
  stop_id = NULL,
  disruption_status = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

### Arguments

|                   |                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| route_id          | Integer. These can be listed and described with the <a href="#">routes</a> function.                                                    |
| stop_id           | Integer. Optionally filter results to a specific stop ID. These can be searched for with the stops_on_route and stops_nearby functions. |
| disruption_status | Character. Can be used to filter to either "current" or "planned" disruptions. Defaults to NULL, in which case no filter is applied.    |
| user_id           | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                      |
| api_key           | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                           |

### Value

A tibble with the following columns:

- disruption\_mode
- disruption\_mode\_description
- disruption\_id
- title
- url
- description
- disruption\_status
- disruption\_type
- published\_on
- last\_updated

- from\_date
- to\_date
- routes
- stops
- colour
- display\_on\_board
- display\_status

### Examples

```
## Not run:
disruptions_on_route(6)
disruptions_on_route(6, stop_id = 1071)
disruptions_on_route(6, disruption_status = "current")

## End(Not run)
```

---

disruption\_information

*Information on a particular disruption*

---

### Description

This function can be used when the integer disruption ID is already known. This can be searched for with either `disruptions`, `disruptions_on_route`, or `disruptions_at_stop` functions.

### Usage

```
disruption_information(
  disruption_id,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

### Arguments

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <code>disruption_id</code> | Integer.                                                                                                                        |
| <code>user_id</code>       | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to <code>?ptvapi</code> for more details. |
| <code>api_key</code>       | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to <code>?ptvapi</code> for more details.      |

**Value**

A tibble with the following columns:

- disruption\_mode
- disruption\_mode\_description
- disruption\_id
- title
- url
- description
- disruption\_status
- disruption\_type
- published\_on
- last\_updated
- from\_date
- to\_date
- routes
- stops
- colour
- display\_on\_board
- display\_status

**Examples**

```
## Not run:
disruption_information(206639)

## End(Not run)
```

---

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| disruption_modes | <i>Retrieve a translation from description mode number to description mode name</i> |
|------------------|-------------------------------------------------------------------------------------|

---

**Description**

Disruption mode types (eg. "metro\_train", "metro\_tram", "school\_bus", "taxi") have corresponding integer IDs. This function retrieves a named vector in which the values are the disruption mode descriptions, and the names of the vector are the description mode numbers. Note that disruption mode names are in snake case, that is, all lower case with underscores between words.

**Usage**

```
disruption_modes(user_id = determine_user_id(), api_key = determine_api_key())
```

**Arguments**

|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| user_id | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

**Value**

A named vector in which the values are the disruption mode descriptions, and the names of the vector are the description mode numbers.

**Examples**

```
## Not run: disruption_modes()
```

---

|               |                                                |
|---------------|------------------------------------------------|
| fare_estimate | <i>Calculate a fare estimate between zones</i> |
|---------------|------------------------------------------------|

---

**Description**

Retrieve fare information for a journey through the given zones. Also supports journey touch on and off times, to accommodate for discounts.

**Usage**

```
fare_estimate(
  min_zone,
  max_zone,
  journey_touch_on = NULL,
  journey_touch_off = NULL,
  journey_in_free_tram_zone = FALSE,
  travelled_route_types = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

**Arguments**

|                                     |                                                                                                                                                                                                         |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| min_zone                            | Integer. Minimum zone travelled through.                                                                                                                                                                |
| max_zone                            | Integer. Maximum zone travelled through.                                                                                                                                                                |
| journey_touch_on, journey_touch_off | POSIXct or Character. Optionally filter results to a journey time. Values to both must be provided. Characters are automatically converted to datetimes, and are assumed to be given as Melbourne time. |

|                           |                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| journey_in_free_tram_zone | Boolean. Defaults to FALSE.                                                                                                                                                                                                                                                                                                                     |
| travelled_route_types     | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| user_id                   | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                              |
| api_key                   | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                   |

### Value

A data frame consisting of one row for each passenger\_type, and the following columns:

- min\_zone
- max\_zone
- unique\_zones
- early\_bird
- free\_tram\_zone
- weekend\_journey
- passenger\_type
- fare\_2\_hour\_peak
- fare\_2\_hour\_off\_peak
- fare\_daily\_peak
- fare\_daily\_off\_peak
- pass\_7\_days
- pass\_28\_to\_69\_day\_per\_day
- pass\_70\_plus\_day\_per\_day
- weekend\_cap
- holiday\_cap

### Examples

```
## Not run:
fare_estimate(min_zone = 1, max_zone = 2)

fare_estimate(min_zone = 1, max_zone = 1, journey_in_free_tram_zone = TRUE)

fare_estimate(
  min_zone = 1,
  max_zone = 2,
  travelled_route_types = c("Train", "Tram")
)
```



```

fare_estimate(
  min_zone = 1,
  max_zone = 2,
  journey_touch_on = "2020-06-21 07:31:00",
  journey_touch_off = "2020-06-21 08:45:00"
)

## End(Not run)

```

---

outlets

*Information for all outlets*


---

## Description

Information for all outlets

## Usage

```
outlets(user_id = determine_user_id(), api_key = determine_api_key())
```

## Arguments

|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| user_id | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

## Details

The outlet\_name reported here is more accurately described as an outlet *address*. We keep the outlet\_name column name as this is how the PTV API describes it.

The business hours are reported as characters. Usually they take on a format of "8.00AM - 10.00PM", but there variants such as "7.30AM - 11.00AM and 1.30PM - 6.00PM". For days on which an outlet is closed, the opening hours are usually reported as "CLOSED", but can also be an empty character. Some opening hours are "24 Hours". These fields are also filled with missing values and empty characters.

## Value

A tibble with the following columns:

- outlet\_slid\_spid
- outlet\_name
- outlet\_business
- outlet\_latitude

- outlet\_longitude
- outlet\_suburb
- outlet\_postcode
- outlet\_business\_hour\_mon
- outlet\_business\_hour\_tue
- outlet\_business\_hour\_wed
- outlet\_business\_hour\_thu
- outlet\_business\_hour\_fri
- outlet\_business\_hour\_sat
- outlet\_business\_hour\_sun
- outlet\_notes

### Examples

```
## Not run:  
outlets()  
  
## End(Not run)
```

---

outlets\_nearby

*Information for outlets near a given location*

---

### Description

Information for outlets near a given location

### Usage

```
outlets_nearby(  
  latitude,  
  longitude,  
  max_distance = NULL,  
  max_results = 30,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

### Arguments

|           |                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------|
| latitude  | Numeric. Latitude in decimal degrees. For example, Flinders Street Station is at approximately -37.8183 latitude.   |
| longitude | Numeric. Longitude in decimal degrees. For example, Flinders Street Station is at approximately 144.9671 longitude. |

|              |                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------|
| max_distance | Integer. Optionally filter by maximum distance from the given location, in metres.                                 |
| max_results  | Integer. Defaults to 30. Caps the number of results returned.                                                      |
| user_id      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

### Details

The outlet\_name reported here is more accurately described as an outlet *address*. We keep the outlet\_name column name as this is how the PTV API describes it.

The business hours are reported as characters. Usually they take on a format of "8.00AM - 10.00PM", but there variants such as "7.30AM - 11.00AM and 1.30PM - 6.00PM". For days on which an outlet is closed, the opening hours are usually reported as "CLOSED", but can also be an empty character. Some opening hours are "24 Hours". These fields are also filled with missing values and empty characters.

### Value

A tibble with the following columns:

- outlet\_slid\_spid
- outlet\_name
- outlet\_business
- outlet\_latitude
- outlet\_longitude
- outlet\_suburb
- outlet\_postcode
- outlet\_business\_hour\_mon
- outlet\_business\_hour\_tue
- outlet\_business\_hour\_wed
- outlet\_business\_hour\_thu
- outlet\_business\_hour\_fri
- outlet\_business\_hour\_sat
- outlet\_business\_hour\_sun
- outlet\_notes

### Examples

```
## Not run:
outlets_nearby(latitude = -37.8183, longitude = 144.9671)

## End(Not run)
```

patterns

*Stopping pattern for a given run***Description**

A pattern consists of all departures, stops, routes, runs, directions and disruptions associated with a particular run ID. This is returned as a list of tibbles, with output corresponding to their respective API calls.

**Usage**

```
patterns(
  run_ref,
  route_type,
  stop_id = NULL,
  departs = Sys.time(),
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

**Arguments**

|            |                                                                                                                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| run_ref    | A character run reference. This supersedes the integer run_id. For backwards compatibility and since most run references are integers, this function will attempt to convert an the argument to a character. Run references may be retrieved from the <a href="#">departures</a> or <a href="#">runs_on_route</a> functions. |
| route_type | Optionally filter results by a route type. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types.              |
| stop_id    | Integer. Optionally filter results to a specific stop ID. These can be searched for with the stops_on_route and stops_nearby functions.                                                                                                                                                                                      |
| departs    | POSIXct or character. Optionally filter by date. See Details. Characters are automatically converted to departs, and are assumed to be given as Melbourne time. The behaviour of the API is unpredictable when using this argument — see details. Defaults to the current system time.                                       |
| user_id    | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                           |
| api_key    | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                |

**Details**

The stops tibble has an output similar to that returned by [stops\\_on\\_route](#). The routes tibble does not contain service status information.

Departures: The API seems to return the earliest 7 departures. While the PTV Timetable API supports filtering patterns by datetimes, the behaviour of this argument is not reliable — it appears to filter by day only, returning the earliest 7 departures of a different day. It is recommended that departures are retrieved via the [departures](#) function.

## Value

An object of class "ptvapi", which is effectively a list with the following names:

- departures
- stops
- routes
- runs
- directions
- disruptions

## Examples

```
## Not run:
patterns(run_ref = "1", route_type = 0)
patterns(run_ref = "1", route_type = "Train")

## End(Not run)
```

---

|        |                                   |
|--------|-----------------------------------|
| routes | <i>Information for all routes</i> |
|--------|-----------------------------------|

---

## Description

Information for all routes

## Usage

```
routes(
  route_types = NULL,
  route_name = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

## Arguments

|             |                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| route_types | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| route_name  | Character. Optionally filter by route name. Partial matches are accepted, and the matches are not case sensitive.                                                                                                                                                                                                                               |
| user_id     | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                              |
| api_key     | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                   |

## Value

A tibble of routes, with the following columns:

- route\_id
- route\_gtfs\_id
- route\_name
- route\_type
- route\_type\_description
- route\_number
- geopath
- service\_status
- service\_status\_timestamp

## Examples

```
## Not run:
routes()
routes(route_types = "Train")
routes(route_types = 0)
routes(route_types = c("Train", "Tram"))
routes(route_name = "Frankston")
routes(route_name = "Craigie")
routes(route_name = "werribee")

## End(Not run)
```

---

|                   |                                      |
|-------------------|--------------------------------------|
| route_information | <i>Information for a given route</i> |
|-------------------|--------------------------------------|

---

## Description

Information for a given route

## Usage

```
route_information(
  route_id,
  include_geopath = FALSE,
  geopath_utc = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

## Arguments

|                 |                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| route_id        | Integer. These can be listed and described with the <a href="#">routes</a> function.                                                                                                                                                                  |
| include_geopath | Logical. Whether to populate the geopath column. Defaults to FALSE.                                                                                                                                                                                   |
| geopath_utc     | Date, or character that can be converted to a date. The UTC date for which the geopathes are effective. Defaults to the current date. Has no effect if include_geopath = FALSE. It's uncertain how much historical or future-dated data is available. |
| user_id         | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                    |
| api_key         | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                         |

## Value

A tibble of routes, with the following columns:

- route\_id
- route\_gtfs\_id
- route\_name
- route\_type
- route\_type\_description
- route\_number
- geopath
- service\_status
- service\_status\_timestamp

**Examples**

```
## Not run:
route_information(6)
route_information(6, include_geopath = TRUE)
route_information(6, include_geopath = TRUE, geopath_utc = "2020-07-01")

## End(Not run)
```

---

route\_types

---

*Retrieve a translation from route type number to name*


---

**Description**

Route types (tram, train, etc.) are provided to the PTV API as an integer code. This function retrieves a named vector in which the values are the route type descriptions, and the names of the vector are the route type numbers. Note that "Night Bus" is a separate route type.

**Usage**

```
route_types(user_id = determine_user_id(), api_key = determine_api_key())
```

**Arguments**

|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| user_id | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

**Value**

A named integer vector in which the values are the route type descriptions, and the names of the vector are the route type numbers.

**Examples**

```
## Not run:
route_types()

## End(Not run)
```



---

|               |                              |
|---------------|------------------------------|
| runs_on_route | <i>Runs on a given route</i> |
|---------------|------------------------------|

---

## Description

Runs on a given route

## Usage

```
runs_on_route(  
  route_id,  
  route_type = NULL,  
  date_utc = NULL,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

## Arguments

|            |                                                                                                                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| route_id   | Integer. These can be listed and described with the <a href="#">routes</a> function.                                                                                                                                                                                                                            |
| route_type | Optionally filter results by a route type. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| date_utc   | Date, or character that can be converted to a date. The UTC date for which the results are effective. Defaults to the current date. It's uncertain how much historical or future-dated data is available. This argument is experimental and seems to not be functioning.                                        |
| user_id    | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                              |
| api_key    | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                   |

## Value

A tibble with the following columns:

- run\_id (deprecated, use run\_ref instead)
- run\_ref
- route\_id
- route\_type
- route\_type\_description
- direction\_id
- run\_sequence

- final\_stop\_id
- destination\_name
- status
- express\_stop\_count
- vehicle\_position
- vehicle\_descriptor
- geopath

### Examples

```
## Not run:
runs_on_route(6)
runs_on_route(6, route_type = "Train")
runs_on_route(6, route_type = 0)

## End(Not run)
```

---

|                 |                                    |
|-----------------|------------------------------------|
| run_information | <i>Information for a given run</i> |
|-----------------|------------------------------------|

---

### Description

Run IDs are not unique across the network. If you are interested in a specific run, consider supplying a value to the optional `route_type` argument.

### Usage

```
run_information(
  run_ref,
  route_type = NULL,
  include_geopath = FALSE,
  geopath_utc = NULL,
  date_utc = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

### Arguments

|         |                                                                                                                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| run_ref | A character run reference. This supersedes the integer <code>run_id</code> . For backwards compatibility and since most run references are integers, this function will attempt to convert an the argument to a character. Run references may be retrieved from the <a href="#">departures</a> or <a href="#">runs_on_route</a> functions. |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| route_type      | Optionally filter results by a route type. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| include_geopath | Logical. Whether to populate the geopath column. Defaults to FALSE.                                                                                                                                                                                                                                             |
| geopath_utc     | Date, or character that can be converted to a date. The UTC date for which the geopath is effective. Defaults to the current date. Has no effect if include_geopath = FALSE. It's uncertain how much historical or future-dated data is available.                                                              |
| date_utc        | Date, or character that can be converted to a date. The UTC date for which the results are effective. Defaults to the current date. It's uncertain how much historical or future-dated data is available. This argument is experimental and seems to not be functioning.                                        |
| user_id         | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                              |
| api_key         | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                   |

### Value

A tibble with the following columns:

- run\_id (deprecated, use run\_ref instead)
- run\_ref
- route\_id
- route\_type
- route\_type\_description
- direction\_id
- run\_sequence
- final\_stop\_id
- destination\_name
- status
- express\_stop\_count
- vehicle\_position
- vehicle\_descriptor
- geopath

### Examples

```
## Not run:
run_information("100")
run_information("100", include_geopath = TRUE)
run_information("100", include_geopath = TRUE, geopath_utc = "2020-07-01")
run_information("100", date_utc = "2020-07-01")

## End(Not run)
```

---

|                |                                      |
|----------------|--------------------------------------|
| search_outlets | <i>Search for outlets using text</i> |
|----------------|--------------------------------------|

---

## Description

This function will search outlets in which the search term can be found in either the outlet name, outlet business or outlet suburb. The search is case-insensitive. The search term must contain at least 3 characters, and cannot be numeric.

## Usage

```
search_outlets(
  search_term,
  latitude = NULL,
  longitude = NULL,
  max_distance = NULL,
  route_types = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

## Arguments

|              |                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| search_term  | Character. Term used to perform search.                                                                                                                                                                                                                                                                                                         |
| latitude     | Numeric. Latitude in decimal degrees. For example, Flinders Street Station is at approximately -37.8183 latitude.                                                                                                                                                                                                                               |
| longitude    | Numeric. Longitude in decimal degrees. For example, Flinders Street Station is at approximately 144.9671 longitude.                                                                                                                                                                                                                             |
| max_distance | Integer. Optionally filter by maximum distance from the given location, in metres.                                                                                                                                                                                                                                                              |
| route_types  | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| user_id      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                              |
| api_key      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                   |

## Value

A tibble with the following columns:

- outlet\_slid\_spid
- outlet\_name

- outlet\_business
- outlet\_latitude
- outlet\_longitude
- outlet\_suburb
- outlet\_postcode
- outlet\_business\_hour\_mon
- outlet\_business\_hour\_tue
- outlet\_business\_hour\_wed
- outlet\_business\_hour\_thu
- outlet\_business\_hour\_fri
- outlet\_business\_hour\_sat
- outlet\_business\_hour\_sun
- outlet\_notes

### Examples

```
## Not run:
search_outlets("St Kilda")
search_outlets("St Kilda", route_types = c("Train", "Tram"))
search_outlets("St Kilda", route_types = 1)

search_outlets(
  "St Kilda",
  latitude = -37.867647,
  longitude = 144.976809
)
search_outlets(
  "St Kilda",
  latitude = -37.867647,
  longitude = 144.976809,
  max_distance = 100
)

## End(Not run)
```

---

search\_routes

*Search for routes using text*

---

### Description

This function will search routes in which the search term can be found in one of many fields, such as route\_id, route\_gtfs\_id, or route\_name. The search is case-insensitive. Unlike [search\\_stops](#) and [search\\_outlets](#), this function supports searching for numerics, and has no minimum character requirement for search\_term.

**Usage**

```
search_routes(
  search_term,
  latitude = NULL,
  longitude = NULL,
  max_distance = NULL,
  route_types = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

**Arguments**

|              |                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| search_term  | Character. Term used to perform search.                                                                                                                                                                                                                                                                                                         |
| latitude     | Numeric. Latitude in decimal degrees. For example, Flinders Street Station is at approximately -37.8183 latitude.                                                                                                                                                                                                                               |
| longitude    | Numeric. Longitude in decimal degrees. For example, Flinders Street Station is at approximately 144.9671 longitude.                                                                                                                                                                                                                             |
| max_distance | Integer. Optionally filter by maximum distance from the given location, in metres.                                                                                                                                                                                                                                                              |
| route_types  | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| user_id      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                              |
| api_key      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                   |

**Value**

A tibble of routes, with the following columns:

- route\_id
- route\_gtfs\_id
- route\_name
- route\_type
- route\_type\_description
- route\_number
- geopath
- service\_status
- service\_status\_timestamp

### Examples

```
## Not run:
search_routes("Pakenham")
search_routes("Pakenham", route_types = c("Train", "Tram"))
search_routes("Pakenham", route_types = 1)

search_routes(
  "Pakenham",
  latitude = -38.077877,
  longitude = 145.484751
)
search_routes(
  "Pakenham",
  latitude = -38.077877,
  longitude = 145.484751,
  max_distance = 100
)

## End(Not run)
```

---

search\_stops

*Search for stops using text*

---

### Description

This function will search stops in which the search term can be found in either the stop name or the stop suburb. The search is case-insensitive. The search term must contain at least 3 characters, and cannot be numeric.

### Usage

```
search_stops(
  search_term,
  latitude = NULL,
  longitude = NULL,
  max_distance = NULL,
  route_types = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

### Arguments

|             |                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------|
| search_term | Character. Term used to perform search.                                                                             |
| latitude    | Numeric. Latitude in decimal degrees. For example, Flinders Street Station is at approximately -37.8183 latitude.   |
| longitude   | Numeric. Longitude in decimal degrees. For example, Flinders Street Station is at approximately 144.9671 longitude. |

|              |                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| max_distance | Integer. Optionally filter by maximum distance from the given location, in metres.                                                                                                                                                                                                                                                              |
| route_types  | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| user_id      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                              |
| api_key      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                                                                                                   |

### Value

A tibble with the following columns:

- stop\_id
- stop\_name
- stop\_suburb
- route\_type
- route\_type\_description
- stop\_sequence
- stop\_latitude
- stop\_longitude
- disruption\_ids

### Examples

```
## Not run:
search_stops("Ascot Vale")
search_stops("Ascot Vale", route_types = c("Train", "Tram"))
search_stops("Ascot Vale", route_types = 1)

search_stops(
  "Ascot Vale",
  latitude = -37.774240,
  longitude = 144.915518
)
search_stops(
  "Ascot Vale",
  latitude = -37.774240,
  longitude = 144.915518,
  max_distance = 100
)

## End(Not run)
```



---

|              |                                    |
|--------------|------------------------------------|
| stops_nearby | <i>Stops near a given location</i> |
|--------------|------------------------------------|

---

## Description

Stops near a given location

## Usage

```
stops_nearby(  
  latitude,  
  longitude,  
  max_distance = NULL,  
  route_types = NULL,  
  user_id = determine_user_id(),  
  api_key = determine_api_key()  
)
```

## Arguments

|              |                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| latitude     | Numeric. Latitude in decimal degrees. For example, Flinders Street Station is at approximately -37.8183 latitude.                                                                                                                                                                                                                               |
| longitude    | Numeric. Longitude in decimal degrees. For example, Flinders Street Station is at approximately 144.9671 longitude.                                                                                                                                                                                                                             |
| max_distance | Integer. Optionally filter by maximum distance from the given location, in metres.                                                                                                                                                                                                                                                              |
| route_types  | Integer or character vector. Optionally filter by a vector of route types. A route type can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| user_id      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to <code>?ptvapi</code> for more details.                                                                                                                                                                                                                 |
| api_key      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to <code>?ptvapi</code> for more details.                                                                                                                                                                                                                      |

## Value

A tibble with the following columns:

- stop\_id
- stop\_name
- stop\_suburb
- route\_type
- route\_type\_description

- stop\_sequence
- stop\_latitude
- stop\_longitude
- disruption\_ids

### Examples

```
## Not run:
stops_nearby(latitude = -37.8183, longitude = 144.9671)
stops_nearby(latitude = -37.8183, longitude = 144.9671, max_distance = 1000)
stops_nearby(
  latitude = -37.8183,
  longitude = 144.9671,
  route_types = c("Train", "Tram")
)

stops_nearby(
  latitude = -37.8183,
  longitude = 144.9671,
  route_types = 0
)

## End(Not run)
```

---

|                |                                              |
|----------------|----------------------------------------------|
| stops_on_route | <i>Stops on a given route and route type</i> |
|----------------|----------------------------------------------|

---

### Description

Stops on a given route and route type

### Usage

```
stops_on_route(
  route_id,
  route_type,
  direction_id = NULL,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

### Arguments

|            |                                                                                                                                                                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| route_id   | Integer. These can be listed and described with the <a href="#">routes</a> function.                                                                                                                                                                                       |
| route_type | A route type which can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |

|              |                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------|
| direction_id | Optionally filter by a direction ID. These can be obtained with the <a href="#">directions_on_route</a> function.  |
| user_id      | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details. |
| api_key      | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.      |

### Value

A tibble with the following columns:

- stop\_id
- stop\_name
- stop\_suburb
- route\_type
- route\_type\_description
- stop\_sequence
- stop\_latitude
- stop\_longitude
- disruption\_ids

### Examples

```
## Not run:
stops_on_route(6, route_type = "Train")
stops_on_route(6, route_type = 0)

## End(Not run)
```

---

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| stop_information | <i>Information for a given stop (metropolitan and V/Line stations only)</i> |
|------------------|-----------------------------------------------------------------------------|

---

### Description

This function can be used when integer stop ID is already known. This can be searched for with either the [stops\\_on\\_route](#) or [stops\\_nearby](#) functions.

### Usage

```
stop_information(
  stop_id,
  route_type,
  user_id = determine_user_id(),
  api_key = determine_api_key()
)
```

**Arguments**

|            |                                                                                                                                                                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| stop_id    | Integer stop ID.                                                                                                                                                                                                                                                           |
| route_type | A route type which can be provided either as a non-negative integer code, or as a character: "Tram", "Train", "Bus", "Vline" or "Night Bus". Character inputs are not case-sensitive. Use the <a href="#">route_types</a> function to extract a vector of all route types. |
| user_id    | Integer or character. A user ID or devid provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                         |
| api_key    | Character. An API key, with dashes, provided by Public Transport Victoria. Refer to ?ptvapi for more details.                                                                                                                                                              |

**Value**

A single-row tibble with the following columns:

- stop\_id
- stop\_name
- route\_type
- route\_type\_description
- station\_details\_id
- station\_type
- station\_description
- point\_id
- mode\_id
- operating\_hours
- flexible\_stop\_opening\_hours
- stop\_contact
- stop\_ticket
- stop\_location
- stop\_amenities
- stop\_accessibility
- stop\_staffing
- disruption\_ids

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