API Reference
API参考文档

OVERVIEW
概要

The Uber API exposes a set of RESTful endpoints that enable your application to GET information such as time and price estimates about the products offered in a given location, request rides on behalf of authenticated users, and create ride reminders for users to take a ride at a specific time in the future.

Uber API给出了一系列RESTful终端接口，来使你的应用程序可以GET到例如给定地点和选定产品后的时间、价格估计等信息；或者是代替授权用户发起一次打车请求；还可以为用户设定一个预约乘车的乘车提醒。

调用方法	终端接口	描述
GET	/v1/products	List products 产品清单
GET	/v1/products/{product_id}	Get product details 获取产品详情
GET	/v1/estimates/price	Get price estimates 获取价格估计
GET	/v1/estimates/time	Get time estimates 获取时间估计
GET	/v1.2/history	Get user history 获取用户历史
GET	/v1/me	Get user information 获取用户信息
POST	/v1/requests	Create ride request 创建打车请求
GET	/v1/requests/{request_id}	Get ride details 获取行程详情

调用方法	终端接口	描述
POST	/v1/requests/estimate	Get estimate 获取行程估计
DELETE	/v1/requests/{request_id}	Cancel request 取消打车请求
GET	/v1/requests/{request_id}/map	Get tracking map 获取追踪地图数据
GET	/v1/requests/{request_id}/receipts	Get receipt 获取收据
POST	/v1/reminders	Create ride reminder 创建行程提醒
GET	/v1/reminders/{reminder_id}	Get ride reminder details 获取行程提醒详情
PATCH	/v1/reminders/{reminder_id}	Update ride reminder 更新行程提醒
DELETE	/v1/reminders/{reminder_id}	Cancel ride reminder 取消行程提醒

GET/V1/PRODUCTS

PRODUCT TYPES
产品类型

The Products endpoint returns information about the Uber products offered at a given location. The response includes the display name and other details about each product, and lists the products in the proper display order.

Products终端接口会根据给定地点返回相应的可提供的Uber产品信息，在响应中包括每一个产品的显示名称和对应详情，以及这些产品合理的展示顺序。

Some Products, such as experiments or promotions such as UberPOOL and UberFRESH, will not be returned by this endpoint.

某些特殊的产品，例如试验性或者是营销推广性的产品，比如说UberPOOL和UberFRESH，就不会在这个终端接口返回。

Resource
资源

```
GET /v1/products
```

Authorization
授权

OAuth 2.0 bearer token or `server_token`

OAuth 2.0不记名token或者是server_token

Query Parameters
查询参数

名称	类型	描述
`latitude`	`float`	Latitude component of location. 地理位置对应维度参数。
`longitude`	`float`	Longitude component of location. 地理位置对应的经度参数。

Response
响应

```
Status-Code: 200 OK
{
  "products": [
    {
      "capacity": 4,
      "description": "The low-cost Uber",
      "price_details": {
        "distance_unit": "mile",
        "cost_per_minute": 0.26,
        "service_fees": [
          {
            "fee": 1.0,
            "name": "Safe Rides Fee"
          }
        ],
        "minimum": 5.0,
        "cost_per_distance": 1.3,
        "base": 2.2,
        "cancellation_fee": 5.0,
        "currency_code": "USD"
      },
      "image": "http://d1a3f4spazzrp4.cloudfront.net/car.jpg",
      "display_name": "uberX",
```

```json
        "product_id": "a1111c8c-c720-46c3-8534-2fcdd730040d"
    },
    {
        "capacity": 6,
        "description": "low-cost rides for large groups",
        "price_details": {
            "distance_unit": "mile",
            "cost_per_minute": 0.45,
            "service_fees": [
                {
                    "fee": 1.0,
                    "name": "Safe Rides Fee"
                }
            ],
            "minimum": 8.0,
            "cost_per_distance": 2.15,
            "base": 5.0,
            "cancellation_fee": 5.0,
            "currency_code": "USD"
        },
        "image": "http://d1a3f4spazzrp4.cloudfront.net/car.jpg",
        "display_name": "uberXL",
        "product_id": "821415d8-3bd5-4e27-9604-194e4359a449"
    },
    {
        "capacity": 4,
        "description": "The original Uber",
        "price_details": {
            "distance_unit": "mile",
            "cost_per_minute": 0.65,
            "service_fees": [],
            "minimum": 15.0,
            "cost_per_distance": 3.75,
            "base": 8.0,
            "cancellation_fee": 10.0,
            "currency_code": "USD"
        },
        "image": "http://d1a3f4spazzrp4.cloudfront.net/car.jpg",
        "display_name": "UberBLACK",
        "product_id": "d4abaae7-f4d6-4152-91cc-77523e8165a4"
    },
    {
        "capacity": 6,
        "description": "Room for everyone",
        "price_details": {
            "distance_unit": "mile",
```

```
        "cost_per_minute": 0.9,
        "service_fees": [],
        "minimum": 25.0,
        "cost_per_distance": 3.75,
        "base": 15.0,
        "cancellation_fee": 10.0,
        "currency_code": "USD"
      },
      "image": "http://d1a3f4spazzrp4.cloudfront.net/
car.jpg",
      "display_name": "UberSUV",
      "product_id": "8920cb5e-51a4-4fa4-acdf-dd86c5e18ae0"
    },
    {
      "capacity": 4,
      "description": "Taxi without the hassle",
      "price_details": null,
      "image": "http://d1a3f4spazzrp4.cloudfront.net/
car.jpg",
      "display_name": "uberTAXI",
      "product_id": "3ab64887-4842-4c8e-9780-ccecd3a0391d"
    }
  ]
}
```

GET/V1/PRODUCTS/{PRODUCT_ID}

名称	类型	描述
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。
description	string	Description of product. 产品相关描述。
display_name	string	Display name of product. 产品的展示名称

名称	类型	描述
capacity	int	Capacity of product. For example, 4 people. 产品的对应容量，比如说，可承载4人。
image	string	Image URL representing the product. 产品对应的图标的URL地址
price_details	object	The basic price details (not including any surge pricing adjustments). If `null`, the price is a metered fare such as a taxi service. 基准价格详情（不包括任何提价调整）。如果是null，则说明该价格是类似出租车服务一样按里程计算。
price_details.base	float	The base price. 基础价格。
price_details.minimum	float	The minimum price of a trip. 行程最低价格。
price_details.cost_per_minute	float	The charge per minute (if applicable for the product type). 每分钟计价（如果适用于该产品）。
price_details.cost_per_distance	float	The charge per distance unit (if applicable for the product type). 每里程单位对应计价（如果适用于该产品）。
price_details.distance_unit	string	The unit of distance used to calculate the fare (either mile or km). 计算价格对应的里程单位（英里或公里）。
price_details.cancellation_fee	float	The fee if a rider cancels the trip after the grace period. 乘客在宽限期后取消行程所需支付的费用。

名称	类型	描述
price_details.currency_code	string	ISO 4217 currency code. ISO 4217 货币代码。
price_details.service_fees	array	Array containing additional fees added to the price of a product. 一组包含了该产品对应的额外费用的数组。
price_details.service_fees[].name	string	The name of the service fee. 服务费名称。
price_details.service_fees[].fee	float	The amount of the service fee. 服务费数额。

PRODUCT DETAILS
产品详情

Resource
资源
GET /v1/products/{product_id}

Authorization
授权
OAuth 2.0 bearer token or server_token
OAuth 2.0不记名token或者是server_token

Path Parameters
路径参数

名称	类型	描述
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。

Response
响应

Status-Code: 200 OK

```
{
    "capacity": 4,
    "description": "The original Uber",
    "price_details": {
        "distance_unit": "mile",
        "cost_per_minute": 0.65,
        "service_fees": [],
        "minimum": 15.0,
        "cost_per_distance": 3.75,
        "base": 8.0,
        "cancellation_fee": 10.0,
        "currency_code": "USD"
    },
    "image": "http: //d1a3f4spazzrp4.cloudfront.net/car.jpg",
    "display_name": "UberBLACK",
    "product_id": "d4abaae7-f4d6-4152-91cc-77523e8165a4"
}
```

名称	类型	描述
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。

名称	类型	描述
description	string	Description of product. 产品相关描述。
display_name	string	Display name of product. 产品的展示名称
capacity	int	Capacity of product. For example, 4 people. 产品的对应容量，比如说，可承载4人。
image	string	Image URL representing the product. 产品对应的图标的URL地址
price_details	object	The basic price details (not including any surge pricing adjustments). If `null`, the price is a metered fare such as a taxi service. 基准价格详情（不包括任何提价调整）。如果是null，则说明该价格是类似出租车服务一样按里程计算。
price_details.base	float	The base price. 基础价格。
price_details.minimum	float	The minimum price of a trip. 行程最低价格。
price_details.cost_per_minute	float	The charge per minute (if applicable for the product type). 每分钟计价（如果适用于该产品）。
price_details.cost_per_distance	float	The charge per distance unit (if applicable for the product type). 每里程单位对应计价（如果适用于该产品）。
price_details.distance_unit	string	The unit of distance used to calculate the fare (either `mile` or `km`). 计算价格对应的里程单位（英里或公里）。

名称	类型	描述
price_details.cancellation_fee	float	The fee if a rider cancels the trip after the grace period. 乘客在宽限期后取消行程所需支付的费用。
price_details.currency_code	string	ISO 4217 currency code. ISO 4217 货币代码。
price_details.service_fees	array	Array containing additional fees added to the price of a product. 一组包含了该产品对应的额外费用的数组。
price_details.service_fees[].name	string	The name of the service fee. 服务费名称。
price_details.service_fees[].fee	float	The amount of the service fee. 服务费数额。

GET/V1/ESTIMATES/PRICE

PRICE ESTIMATES
价格估计

The Price Estimates endpoint returns an estimated price range for each product offered at a given location. The price estimate is provided as a formatted string with the full price range and the localized currency symbol.
价格估计终端接口会返回一个根据给定地点预估的每个产品的价格区间。预估价格会以一个格式化的字符串形式返回一个完整的价格区间和当地的货币符号。

The response also includes low and high estimates, and the ISO 4217 currency code for situations requiring currency conversion. When surge is active for a particular product, its surge_multiplier will be greater than 1, but the price estimate already factors in this multiplier.

响应中包括最高和最低价格估计，和进行货币转换时所需要的 ISO 4217货币代码。当特定产品进入"提价"状态时，它的surge_multiplier就会大于1，但是需要注意的是，价格估计已经乘了这个提价因子。

Resource
资源
```
GET /v1/estimates/price
```

Authorization
授权
OAuth 2.0 bearer token or `server_token`
`OAuth2.0`不记名token或者是`server_token`

Query Parameters
查询参数

名称	类型	描述
start_latitude	float	Latitude component of start location. 起始点的纬度参数。
start_longitude	float	Longitude component of start location. 起始点的经度参数。
end_latitude	float	Latitude component of end location. 终点的纬度参数。
end_longitude	float	Longitude component of end location. 终点的经度参数。

Response
响应
```
Status-Code: 200 OK
{
  "prices": [
    {
      "product_id": "08f17084-23fd-4103-aa3e-9b660223934b",
      "currency_code": "USD",
      "display_name": "UberBLACK",
```

```json
      "estimate": "$23-29",
      "low_estimate": 23,
      "high_estimate": 29,
      "surge_multiplier": 1,
      "duration": 640,
      "distance": 5.34
    },
    {
      "product_id": "9af0174c-8939-4ef6-8e91-1a43a0e7c6f6",
      "currency_code": "USD",
      "display_name": "UberSUV",
      "estimate": "$36-44",
      "low_estimate": 36,
      "high_estimate": 44,
      "surge_multiplier": 1.25,
      "duration": 640,
      "distance": 5.34
    },
    {
      "product_id": "aca52cea-9701-4903-9f34-9a2395253acb",
      "currency_code": null,
      "display_name": "uberTAXI",
      "estimate": "Metered",
      "low_estimate": null,
      "high_estimate": null,
      "surge_multiplier": 1,
      "duration": 640,
      "distance": 5.34
    },
    {
      "product_id": "a27a867a-35f4-4253-8d04-61ae80a40df5",
      "currency_code": "USD",
      "display_name": "uberX",
      "estimate": "$15",
      "low_estimate": 15,
      "high_estimate": 15,
      "surge_multiplier": 1,
      "duration": 640,
      "distance": 5.34
    }
  ]
}
```

名称	类型	描述
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。
currency_code	string	ISO 4217 currency code. ISO 4217 货币代码。
display_name	string	Display name of product. 产品展示名称。
estimate	string	Formatted string of estimate in local currency of the start location. Estimate could be a range, a single number (flat rate) or "Metered" for TAXI. 表示价格估计的格式化的字符串，以起始地点对应的当地货币计算。价格估计可能是一个区间，一个数字（统一收费）或者是代表出租车的"计程"（Metered）。
low_estimate	int	Lower bound of the estimated price. 估价的最低值。
high_estimate	int	Upper bound of the estimated price. 估价的最高值。
surge_multiplier	float	Expected surge multiplier. Surge is active if surge_multiplier is greater than 1. Price estimate already factors in the surge multiplier. 预期的提价因子，如果进入提价状态，则surge_multiplier大于1，估价已经乘了该提价因子。
duration	int	Expected activity duration (in seconds). Always show duration in minutes. 预期的行程时间（以秒计），通常展示时以分钟计。

名称	类型	描述
distance	float	Expected activity distance (in miles). 预期的行程距离（英里）

GET /V1/ESTIMATES/TIME

TIME ESTIMATES
时间估计

The Time Estimates endpoint returns ETAs for all products offered at a given location, with the responses expressed as integers in seconds. We recommend that this endpoint be called every minute to provide the most accurate, up-to-date ETAs.
时间估计终端接口返回指定地理位置提供服务的所有产品对应的ETA（预估到达时间），响应为按秒计算的整数值。我们推荐每分钟调用一次该接口以获得最准确、最实时的ETA。

RESOURCE
资源
GET /v1/estimates/time

AUTHORIZATION
OAuth 2.0 bearer token or server_token
OAuth 2.0 不记名token或者是server_token

QUERY PARAMETERS
查询参数

名称	类型	描述
start_latitude	float	Latitude component. 纬度参数。

名称	类型	描述
start_longitude	float	Longitude component. 经度参数。
customer_uuid (optional)	string	Unique customer identifier to be used for experience customization. 用于行程体验定制化的唯一用户标识符。
product_id (optional)	string	Unique identifier representing a specific product for a given latitude & longitude. 在给定经纬度提供的Uber产品对应的唯一标识符。

RESPONSE
响应

Status-Code: 200 OK

```
{
  "times": [
    {
      "product_id": "5f41547d-805d-4207-a297-51c571cf2a8c",
      "display_name": "UberBLACK",
      "estimate": 410
    },
    {
      "product_id": "694558c9-b34b-4836-855d-821d68a4b944",
      "display_name": "UberSUV",
      "estimate": 535
    },
    {
      "product_id": "65af3521-a04f-4f80-8ce2-6d88fb6648bc",
      "display_name": "uberTAXI",
      "estimate": 294
    },
    {
      "product_id": "17b011d3-65be-421d-adf6-a5480a366453",
      "display_name": "uberX",
      "estimate": 288
    }
  ]
}
```

名称	类型	描述
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。
display_name	string	Display name of product. 产品展示名称。
estimate	int	ETA for the product (in seconds). Always show estimate in minutes. 产品的ETA（以秒计的预估到达时间），通常以分钟为单位展示。

GET/V1.2/HISTORY

USER ACTIVITY (V1.2)
用户行程（V1.2）

The User Activity endpoint returns a limited amount of data about a user's lifetime activity with Uber. The response will include pickup and dropoff times, the city the trips took place in, the distance of past requests, and information about which products were requested.
用户行程终端接口会返回一定量的关于用户Uber历史行程的数据，响应中包括接载和下车的时间、行程对应的城市、以往行程的距离以及选择的产品信息。

The history array in the response will have a maximum length based on the limit parameter. The response value count may exceed limit, therefore subsequent API requests may be necessary.
响应中的history数组的最大长度取决于limit参数，响应中的值count，可能会超过limit，所以一组API访问序列是必须的。

RESOURCE
资源
```
GET /v1.2/history
```

AUTHORIZATION
授权

OAuth 2.0 bearer token with the `history` scope.
拥有history域访问权的OAuth 2.0不记名token。

QUERY PARAMETERS
查询参数

名称	类型	描述
offset (optional)	integer	Offset the list of returned results by this amount. Default is zero. 返回值对应的偏移量，默认为0。
limit (optional)	integer	Number of items to retrieve. Default is 5, maximum is 50. 需要接收的数量，默认值为5，最大值为50。

RESPONSE
响应

```
Status-Code: 200 OK
{
  "offset": 0,
  "limit": 1,
  "count": 5,
  "history": [
    {
      "status":"completed",
      "distance":1.64691465,
      "request_time":1428876188,
      "start_time":1428876374,
      "start_city":{
        "latitude":37.7749295,
```

```
            "display_name":"San Francisco",
            "longitude":-122.4194155
        },
        "end_time":1428876927,
        "request_id":"37d57a99-2647-4114-9dd2-c43bccf4c30b",
        "product_id":"a1111c8c-c720-46c3-8534-2fcdd730040d"
    },
    ]
}
```

名称	类型	描述
offset	integer	Position in pagination. 对应页码位置。
limit	integer	Number of items to retrieve (50 max). 取回多少条记录（最多50）。
count	integer	Total number of items available. 总行程记录条数。
request_id	string	Unique activity identifier. 唯一行程标识符。
request_time	integer	Unix timestamp of activity request time. 行程发起时对应的Unix时间戳（Unix timestamp）。
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。
status	string	Status of the activity. Only returns completed for now. 行程状态，现在只会返回"已结束"。

名称	类型	描述
distance	float	Length of activity in miles. 以英里计的行程长度。
start_time	integer	Unix timestamp of activity start time. 行程开始时对应的Unix时间戳（Unix timestamp）。

GET /V1.1/HISTORY

USER ACTIVITY (V1.1)
用户行程（V1.1）

The User Activity endpoint returns a limited amount of data about a user's lifetime activity with Uber. The response will include pickup and dropoff times, the city the trips took place in, the distance of past requests, and information about which products were requested.
用户行程终端接口会返回一定量的关于用户Uber历史行程的数据，响应中包括接载和下车的时间、行程对应的城市、以往行程的距离以及选择的产品信息。

The `history` array in the response will have a maximum length based on the `limit` parameter. The response value `count` may exceed `limit`, therefore subsequent API requests may be necessary.
响应中的history数组的最大长度取决于limit参数，响应中的值count，可能会超过limit，所以一组API访问序列是必须的。

RESOURCE
资源
GET /v1.1/history

AUTHORIZATION
授权
OAuth 2.0 bearer token with the `history_lite` scope.
拥有history_lite域访问权的OAuth 2.0不记名token。

QUERY PARAMETERS
查询参数

名称	类型	描述
offset (optional)	integer	Offset the list of returned results by this amount. Default is zero. 返回值对应的偏移量，默认为0。
limit (optional)	integer	Number of items to retrieve. Default is 5, maximum is 50. 需要接收的数量，默认值为5，最大值为50。

RESPONSE
响应

Status-Code: 200 OK

```
{
  "offset": 0,
  "limit": 1,
  "count": 5,
  "history": [
    {
      "uuid": "7354db54-cc9b-4961-81f2-0094b8e2d215",
      "request_time": 1401884467,
      "product_id": "edf5e5eb-6ae6-44af-bec6-5bdcf1e3ed2c",
      "status": "completed",
      "distance": 0.0279562,
      "start_time": 1401884646,
      "end_time": 1401884732
    }
  ]
}
```

名称	类型	描述
offset	integer	Position in pagination. 对应页码位置。
limit	integer	Number of items to retrieve (50 max). 取回多少条记录（最多50）。

名称	类型	描述
count	integer	Total number of items available. 总行程记录条数。
uuid	string	Unique activity identifier. 唯一行程标识符。
request_time	integer	Unix timestamp of activity request time. 行程发起时对应的Unix时间戳（Unix timestamp）。
product_id	string	Unique identifier representing a specific product for a given latitude & longitude. For example, uberX in San Francisco will have a different product_id than uberX in Los Angeles. 在给定经纬度提供的Uber产品对应的唯一标识符。例如在旧金山和洛杉矶的uberX服务，会拥有不同的product_id。
status	string	Status of the activity. Only returns completed for now. 行程状态，现在只会返回"已结束"。
distance	float	Length of activity in miles. 以英里计的行程长度。
start_time	integer	Unix timestamp of activity start time. 行程开始时对应的Unix时间戳（Unix timestamp）。
end_time	integer	Unix timestamp of activity end time. 行程结束时对应的Unix时间戳（Unix timestamp）。

GET/V1/ME

USER PROFILE
用户资料

The User Profile endpoint returns information about the Uber user that has authorized with the application.

用户资料终端接口在用户授权了该应用程序的基础上会返回该Uber用户的相关信息。

RESOURCE
资源
GET /v1/me

AUTHORIZATION
授权
OAuth 2.0 bearer token with the `profile` scope.
拥有profile域访问权的OAuth 2.0不记名token。

QUERY PARAMETERS
查询参数
None
无

RESPONSE
响应
Status-Code: 200 OK

```
{
  "first_name": "Uber",
  "last_name": "Developer",
  "email": "developer@uber.com",
  "picture": "https://...",
  "promo_code": "teypo",
  "uuid": "91d81273-45c2-4b57-8124-d0165f8240c0"
}
```

名称	类型	描述
first_name	string	First name of the Uber user. 该Uber用户的名。
last_name	string	Last name of the Uber user. 该Uber用户的姓。

名称	类型	描述
email	string	Email address of the Uber user. 该Uber用户的email地址。
picture	string	Image URL of the Uber user. 该Uber用户的头像URL地址。
promo_code	string	Promo code of the Uber user. 该Uber用户的促销代码。
uuid	string	Unique identifier of the Uber user. 该Uber用户的唯一标识符。

POST/V1/REQUESTS

RIDE REQUEST - CREATE
行程请求-创建
The Request endpoint allows a ride to be requested on behalf of an Uber user given their desired product, start, and end locations.
在给定所选的产品、出发地点、终点的情况下，可以代表Uber用户向Request接口发起行程请求。
Please review the Sandbox documentation on how to develop and test against these endpoints without making real-world Requests and being charged.
请参考沙盒部分文档Sandbox documentation来查看如何能够不向真实线上接口发起行程请求，以免被收取费用。

RESOURCE
资源
POST /v1/requests

AUTHORIZATION
OAuth 2.0 bearer token with the `request` scope.
拥有request域访问权的OAuth 2.0不记名token。

POST PARAMETERS
POST参数

名称	类型	描述
product_id	string	The unique ID of the product being requested. 被请求的产品对应的唯一标识符。
start_latitude	float	The beginning or "pickup" latitude. 起始或者说"接载"点的纬度。
start_longitude	float	The beginning or "pickup" longitude. 起始或者说"接载"点的经度。
end_latitude (optional)	float	The final or destination latitude. 终点的纬度。
end_longitude (optional)	float	The final or destination longitude. 终点的经度。
surge_confirmation_id (optional)	string	The unique identifier of the surge session for a user. Required when returned from a 409 Conflict response on previous POST attempt. 用户的提价状态对应的唯一标识符，当前一步POST请求返回409 Conflict时带下来此参数，需要添加。

RESPONSE
响应
Status-Code: 202 OK

```
{
    "request_id": "852b8fdd-4369-4659-9628-e122662ad257",
    "status": "processing",
    "vehicle": null,
    "driver": null,
    "location": null,
    "eta": 5,
    "surge_multiplier": null
}
```

名称	类型	描述
request_id	string	The unique ID of the Request. 该行程请求对应的唯一标识符。
status	string	The status of the Request indicating state. 该行程请求对应的状态。
vehicle	object	The object that contains vehicle details. 包含车辆详情的对象。
driver	object	The object that contains driver details. 包含司机详情的对象。
location	object	The object that contains the location information of the vehicle and driver. 包含车辆和司机对应的地理位置信息的对象。
eta	integer	The estimated time of vehicle arrival in minutes. 车辆预计到达的时间，以分钟计。
surge_multiplier	float	The surge pricing multiplier used to calculate the increased price of a Request. A multiplier of 1.0 means surge pricing is not in effect. 被用来计算一次行程提价之后价格的"提价因子"，当该因子等于1.0时，说明并未触发提价。

ERROR RESPONSES
错误响应

Status-Code: 409 Conflict

```json
{
    "meta": {
        "surge_confirmation": {
            "href": "https:\/\/api.uber.com\/v1\/surge-confirmations\/e100a670",
            "surge_confirmation_id": "e100a670"
        }
    },
    "errors":[
```

```
    {
        "status": 409,
        "code": "surge",
        "title": "Surge pricing is currently in effect for
this product."
    }
    ]
}
```

名称	类型	描述
surge_con firmation _id	string	The surge confirmation identifier used to make a Request after a user has accepted surge pricing. 在用户接受提价后，使用提价确认标识符来发起一个提价的行程请求。
href	string	The URL a user must visit to accept surge pricing. 用户要接受提价必须访问的URL地址。

POSSIBLE ERRORS
可能的错误

名称	类型	描述
400	unconfir med_emai l	The user hasn't confirmed their email address. Instruct the user to confirm their email address within the native mobile application or by visiting https://riders.uber.com. 用户尚未验证自己的email地址，应当引导用户通过在原生的应用程序或者访问https://riders.uber.com去来确定自己的email地址
400	invalid_ payment	The rider's payment method is invalid. The user must update the billing info. 乘客的付款方式现在已经失效，用户需要立即更新付款信息。

名称	类型	描述
403	forbidden	This user is forbidden from making a request at this time and should consult our support team by visiting https://help.uber.com or by emailing 用户在此时间内禁止发起打车请求，有任何疑问可以访问https://help.uber.com或者是发送邮件。
403	unverified	The user hasn't confirmed their mobile number. Instruct the user to confirm their mobile phone number within the native mobile application or by visiting https://riders.uber.com. 用户尚未确认他们的手机号码，应当引导用户在网站https://riders.uber.com或者是原生手机应用程序处确认自己的手机号码。
403	product_not_allowed	The product being requested is not available to the user. Have them select a different product to successfully make a request. 被请求的产品暂时对该用户不可用；让用户重新选择别的产品发起一次行程请求。
403	pay_balance	The rider has an outstanding balance and must update her account settings by using the native mobile application or by visiting https://riders.uber.com. 乘客拥有令人惊叹的账户余额，且乘客必须通过原生应用程序或者是https://riders.uber.com来更新账号信息。
403	user_not_allowed	User is banned and is not permitted to request a ride. Uber被禁止，不允许乘客使用Uber叫车。
403	too_many_cancelations	The rider is temporarily blocked due to cancelling too many times 用户因为取消行程太多次而被临时屏蔽。

名称	类型	描述
404	not_foun d	An invalid product ID was requested. Retry the API call with a valid product ID. 一个无效的产品ID被请求了，请带上另一个有效的产品ID来重新调用API接口。
409	no_drive rs_avail able	No drivers available for requested product at time of request. Either instruct the rider to select a different product to request or to wait until more drivers become available. 在发起请求的这个时刻，对应选择的产品没有空闲司机可以提供服务。这种情况下，要么引导乘客选择一个不同的产品来发起服务，要么等一会儿直到更多司机空闲下来。
409	missing_ payment_ method	The rider must have at least one payment method on file to request a car. The rider must add a payment method by using the native mobile application or by visiting https://riders.uber.com. 乘客在打车时，必须有至少一种付款方式。乘客必须通过原生手机应用或者是访问https://riders.uber.com来添加一种新的付款方式。
409	surge	Surge pricing is currently in effect for this product. Please have the user confirm surge pricing by sending them to the surge_confirmation_href described in the Request Tutorial. 提价机制现在在我们的产品当中正在实行。请通过展示在"行程请求指导"中描述的surge_confimation_href页面，来让用户确认提价。
409	fare_exp ired	The fare has expired for the requested product. Please get estimates again, confirm the new fare, and then re-request. 所选择的产品类型的价格已经过期失效了，请重新获取价格估计、确认新价格并且重新叫车。

名称	类型	描述
409	retry_request	An error has occurred when the attempting to request a product. Please reattempt the request on behalf of the user. 在选择某一产品发起请求时，发生了一个错误。请代表用户重新发起该请求。
409	error	An unknown error has occurred. 发生了一个未知错误。

GET/V1/REQUESTS/{REQUEST_ID}

RIDE REQUEST - DETAILS
行程请求-详情
Get the real time status of an ongoing trip that was created using the Ride Request endpoint.
可以获得一个，通过Ride Request接口创建的正在进行的行程对应的实时状态。

Resource
资源
```
GET /v1/requests/{request_id}
```

Authorization
授权
OAuth 2.0 bearer token with the `request` scope.
拥有request域访问权的OAuth 2.0不记名token。

Path Parameters
路径参数

名称	类型	描述
request_id	string	Unique identifier representing a Request. 代表一个行程请求的唯一标识符。

Query Parameters
查询参数
None
无
Response
响应
Status-Code: 200 OK

```
{
    "status": "accepted",
    "driver": {
        "phone_number": "(555)555-5555",
        "rating": 5,
        "picture_url": "https:\/\/d1w2poirtb3as9.cloudfront.net
\/img.jpeg",
        "name": "Bob"
    },
    "eta": 4,
    "location": {
        "latitude": 37.776033,
        "longitude": -122.418143,
        "bearing": 33
    },
    "vehicle": {
        "make": "Bugatti",
        "model": "Veyron",
        "license_plate": "I<3Uber",
        "picture_url": "https:\/\/d1w2poirtb3as9.cloudfront.net
\/car.jpeg",
    },
    "surge_multiplier":  1.0,
    "request_id": "b2205127-a334-4df4-b1ba-fc9f28f56c96"
}
```

名称	类型	描述
request_id	string	The unique ID of the Request. 代表该次行程请求的唯一标识符。
status	string	The status of the Request indicating state. 该行程请求对应的状态。
vehicle	object	The object that contains vehicle details. Only non-null during an ongoing trip. 包含车辆详情的对象，只有正在进行的行程中，才部位null。
vehicle.make	string	The vehicle make or brand. 车辆品牌或制造商。
vehicle.model	string	The vehicle model or type. 车辆型号或类型。
vehicle.license_plate	string	The license plate number of the vehicle. 车辆牌照号码。
vehicle.picture_url	string	The URL to a stock photo of the vehicle (may be null). 该车型对应的图片的URL地址（可能为null）
driver	object	The object that contains driver details. Only non-null during an ongoing trip. 包含司机详情的对象，只有正在进行的行程里才为非null。
driver.phone_number	string	The formatted phone number for contacting the driver. 格式化的司机联络电话。
driver.rating	float	The driver's star rating out of 5 stars. 5星评价标准下的司机评分。

名称	类型	描述

名称	类型	描述
driver.picture_url	string	The URL to the photo of the driver. 司机照片的URL地址。
driver.name	string	The first name of the driver. 司机的名。
location	object	The object that contains the location information of the vehicle and driver. 包含司机和车辆对应的地理位置信息的对象。
location.latitude	float	The current latitude of the vehicle. 车辆现在的纬度。
location.longitude	float	The current longitude of the vehicle. 车辆现在的经度。
location.bearing	integer	The current bearing of the vehicle in degrees (0-359). 车辆以角度计算的当前方位（0-359度）
eta	integer	The estimated time of vehicle arrival in minutes. 以分钟计算的预计车辆到达时间。
surge_multiplier	float	The surge pricing multiplier used to calculate the increased price of a Request. A multiplier of 1.0 means surge pricing is not in effect. 用来计算此次行程需要增加的价格的提价因子，当提价因子为1.0时，表示并未激活提价状态。

Request Statuses
行程状态

All possible statues of a Request's life cycle.
一个行程请求的生命周期可能的所有状态。

状态	描述
processing	The Request is matching to the most efficient available driver. 该行程请求正在匹配最合适的空闲司机。
no_drivers_available	The Request was unfulfilled because no drivers were available. 该行程请求未被满足，因为没有空闲司机可以指派。
accepted	The Request has been accepted by a driver and is "en route" to the start location (i.e. start_latitude and start_longitude). 该行程请求被某位司机接受，且司机"正在途中"前往起始地点（即start_latitude和start_longitude）。
arriving	The driver has arrived or will be shortly. 司机已经或者即将抵达。
in_progress	The Request is "en route" from the start location to the end location. 该行程请求"正在途中"，从起始点前往终点。
driver_canceled	The Request has been canceled by the driver. 该行程请求被司机取消。
rider_canceled	The Request canceled by rider. 该行程请求被乘客取消。
completed	Request has been completed by the driver. 该行程请求已经被司机完成。

POST/V1/REQUESTS/ESTIMATE

RIDE REQUEST - ESTIMATE
行程请求-估计

The Request Estimate endpoint allows a ride to be estimated given the desired product, start, and end locations. If the end location is not provided,

only the pickup ETA and details of surge pricing information are provided. If the pickup ETA is null, there are no cars available, but an estimate may still be given to the user.

行程请求估计接口可以在给定所选产品、起始地点、终点的情况下给出相应估计。如果终点未被指定，则只能提供接载ETA（预估到达时间）和提价详细信息。如果接载预估时间为null，则代表没有空闲车辆，但是仍然可以给与用户一个估计。

You can use this endpoint to determine if surge pricing is in effect. Do this before attempting to make a request so that you can preemptively have a user confirm surge by sending them to the `surge_confirmation_href` provided in the response.

你可以使用该接口来确定是否正处于提价状态。请在发起一个行程请求之前查询提价状态，以便你可以抢先给用户展示响应中给出的 surge_confirmation_href，来提前获取用户对提价的确认。

Resource
资源
`POST /v1/requests/estimate`

Authorization
授权
OAuth 2.0 bearer token with the `request` scope.
拥有request域访问权的OAuth 2.0不记名token。

POST Parameters
POST参数

名称	类型	描述
product_id	string	The unique ID of the product being requested. 被请求产品对应的唯一标识符。
start_latitude	float	The beginning or "pickup" latitude. 起始点或"接载点"的纬度。
start_longitude	float	The beginning or "pickup" longitude. 起始点或"接载点"的经度。

名称	类型	描述
end_latit ude (optional)	float	The final or destination latitude. If not included, only the pickup ETA and details of surge pricing will be included. 终点的纬度。如果未提供，则只返回预估接载时间和提价因子。
end_longi tude (optional)	float	The final or destination longitude. If not included, only the pickup ETA and details of surge pricing will be included. 终点的经度。如果未提供，则只返回预估接载时间和提价因子。

Response
响应
Status-Code: 200 OK

```
{
   "price":{
      "surge_confirmation_href": "https:\/\/api.uber.com\/
v1\/surge-confirmations\/7d604f5e",
      "high_estimate": 6,
      "surge_confirmation_id": "7d604f5e",
      "minimum": 5,
      "low_estimate": 5,
      "surge_multiplier": 1.2,
      "display": "$5-6",
      "currency_code": "USD"
   },
   "trip":{
      "distance_unit": "mile",
      "duration_estimate": 540,
      "distance_estimate": 2.1
   },
   "pickup_estimate":2
}
```

名称	类型	描述
pickup_es timate	integer	The estimated time of vehicle arrival in minutes. null if there are no cars available. 以分钟计算的车辆到达时间，如果没有空闲车辆，则为null。
price	object	Details of the estimated fare. If end location is omitted, only the minimum is returned. 估算价格的详情，如果终点信息未提供，则只返回最低价格。
price.sur ge_multip lier	float	Expected surge multiplier. Surge is active if surge_multiplier is greater than 1. Fare estimates below factor in the surge multiplier. 提价因子。如果提价状态激活，则surge_multiplier大于1，下面的价格估计乘以提价因子。
price.sur ge_confir mation_id	string	The unique identifier of the surge session for a user. null if no surge is currently in effect. 一个用户对应的提价状态的唯一标识符，如果不在提价状态，则为null。
price.sur ge_confir mation_hr ef	string	The URL a user must visit to accept surge pricing. 用户必须通过访问这个URL地址来同意提价。
price.min imum	integer	The minimum fare of a trip. Should only be displayed or used if no end location is provided. 一次行程可能的最低价格。只有当终点信息未提供时才会被展示。
price.dis play	string	Formatted string of estimate in local currency of the start location. Estimate could be a range, a single number (flat rate) or "Metered" for TAXI. 以起始点位置对应的当地货币计算的估价对应的格式化字符串。估价可以是一个区间、一个单一数字（统一费用）或者是代表的士计程制的"Metered"。

名称	类型	描述
price.low_estimate	integer	Lower bound of the estimated price. 估价的最低值。
price.high_estimate	integer	Upper bound of the estimated price. 估价的最高值。
price.currency_code	string	ISO 4217 currency code. ISO 4217货币代码。
trip	object	Details of the estimated distance. `null` if end location is omitted. 预估里程详情，如果终点未给定则为null。
trip.distance_estimate	float	Expected activity distance. 预估行程里程。
trip.distance_unit	string	The unit of distance (`mile` or `km`). 距离对应的单位（英里或公里）。
trip.duration_estimate	integer	Expected activity duration (in seconds). 预期的行程时间。

DELETE/V1/REQUESTS/{REQUEST_ID}

RIDE REQUEST - CANCEL
行程请求-取消
Cancel an ongoing Request on behalf of a rider.
代表用户取消一个正在进行的行程请求。

Resource

资源
DELETE /v1/requests/{request_id}
Authorization
授权
OAuth 2.0 bearer token with the `request` scope.
拥有request域访问权的OAuth 2.0不记名token。

Path Parameters
路径参数

名称	类型	描述
request_id	string	Unique identifier representing a Request. 代表某次行程请求的唯一标识符。

Query Parameters
查询参数
None
无
Response
响应
Status-Code: 204 Success
|

GET/V1/REQUESTS/{REQUEST_ID}/ MAP

RIDE REQUEST - MAP
行程请求-地图
Get a map with a visual representation of a Request.
通过展示地图给一个行程请求以视觉呈现。

Map Availability
地图可用性
Maps are only available after a ride has been accepted by a driver and is in the `driver_accepted` state. Attempting to GET this resource before that will result in a 404 error.

只有当一个行程被一个司机所接受，且处于driver_accepted状态时，才可用。
在此之前访问都会返回404错误。

Resource
资源
```
GET /v1/requests/{request_id}/map
```
Authorization
授权
OAuth 2.0 bearer token with the `request` scope.
拥有request域访问权的OAuth 2.0不记名token。

Path Parameters
路径参数

名称	类型	描述
request_id	string	Unique identifier representing a Request. 代表某次行程请求的唯一标识符。

Query Parameters
查询参数
None
无

Response
响应
```
Status-Code: 200 Success
{
  "request_id":"b5512127-a134-4bf4-b1ba-fe9f48f56d9d",
  "href":"https://trip.uber.com/abc123"
}
```

名称	类型	描述
request_id	string	Unique identifier representing a Request. 代表某次行程请求的唯一标识符。

名称	类型	描述
href	string	URL to a map representing the requested trip. 本次行程请求对应的地图的URL地址。

GET/V1/REQUESTS/{REQUEST_ID}/RECEIPT

Important
重要
This endpoint is only available to a small set of partners.
该接口只对一小部分伙伴开放。

RIDE REQUEST - RECEIPT
行程请求-收据
Get the receipt information of the completed request.
获取已完成行程请求的收据详情。

Resource
资源
GET /v1/requests/{request_id}/receipt

Authorization
OAuth 2.0 bearer token with the `request_receipt` scope.
拥有request_receipt域访问权的OAuth 2.0不记名token。

Path Parameters
路径参数

名称	类型	描述
request_id	string	Unique identifier representing a Request. 代表某次行程请求的唯一标识符。

Query Parameters

査询参数
None
无

Response
响应
Status-Code: 200 Success

```json
{
  "request_id": "b5512127-a134-4bf4-b1ba-fe9f48f56d9d",
  "charges": [
    {
      "name": "Base Fare",
      "amount": "2.20",
      "type": "base_fare"
    },
    {
      "name": "Distance",
      "amount": "2.75",
      "type": "distance",
    },
    {
      "name": "Time",
      "amount": "3.57",
      "type": "time",
    }
  ],
 "surge_charge" : {
    "name": "Surge x1.5",
    "amount": "4.26",
    "type": "surge",
  },
  "charge_adjustments" : [
    {
      "name": "Promotion",
      "amount": "-2.43",
      "type": "promotion",
    },
    {
      "name": "Safe Rides Fee",
      "amount": "1.00",
      "type": "safe_ride_fee",
    },
    {
      "name": "Rounding Down",
      "amount": "0.78",
```

```
      "type": "rounding_down",
    },
  ],
  "normal_fare": "$8.52",
  "subtotal": "$12.78",
  "total_charged": "$5.92",
  "total_owed": null,
  "currency_code": "USD",
  "duration": "00:11:35",
  "distance": "1.49",
  "distance_label": "miles",
}
```

名称	类型	描述
request_id	string	Unique identifier representing a Request. 代表某次行程请求的唯一标识符。
charges	array	Describes the charges made against the rider. 描述了收取乘客的费用。
charges[].name	string	The name of the charge. 收费名目。
charges[].amount	float	The amount of the charge. 收费价格。
surge_charge	object	Describes the surge charge. May be null if surge pricing was not in effect. 描述了提价对应的收费。如果提价未激活则为null。
surge_charge.name	string	The name of the surge charge (includes multiplier). 提价对应的名字（包括提价因子）。
surge_charge.amount	float	The amount of the surge charge. 提价收费的价格。
charge_adjustments	array	Adjustments made to the charges such as promotions, and fees. 对于收费的调整，例如促销、其它费用等。

名称	类型	描述
charge_adjustments[].name	string	The name of the charge adjustment. 收费调整项名目。
charge_adjustments[].amount	float	The amount of the charge adjustment. 收费调整项价格。
normal_fare	string	The summation of the charges. Charges累加值。
subtotal	string	The summation of the normal_fare and surge_charge. normal_fare和surge_charge的累加值。
total_charged	string	The total amount charged to the users payment method. This is the the subtotal (split if applicable) with taxes included. 最终向用户付款方法收取的全部价格。这是一个包含税费的总价（如果适用会分开）。
total_owed	float	The total amount still owed after attempting to charge the user. May be null if amount was paid in full. 在尝试收费后仍然需要给付的费用。如果用户全款支付，则为null。
currency_code	string	ISO 4217 ISO 4217
duration	string	Time duration of the trip in ISO 8601 HH:MM:SS format. 以ISO 8601 HH:MM:SS格式计的行程时间。
distance	string	Distance of the trip charged. 行程总收费里程。

名称	类型	描述
distance_label	string	The localized unit of distance. 本地化distance对应单位。

名称	类型	描述