

Expense API WEB SERVICE

| | | | | |
|----------------|---------------------|--|----------------|---------------|
| Company | Atriis Technologies | | | |
| Author | Uri Sheinkman | | | |
| Version | Date | Changes | Comment | By |
| 1.0 | 13.11.2019 | Get Expenses | | Uri Sheinkman |
| 2.0 | 07.12.2022 | | | Tsach Arrad |
| 3.0 | 12.02.2023 | | | Tsach Arrad |
| 4.0 | 28.08.2023 | Added the ability to send list of corporations ids related to the agency | | Tsach Arrad |
| 4.1 | 05.09.2023 | Added the ability to get information about trips from specific date | | Tsach Arrad |

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Overview

ATRIIS Expense API REST services allow ATRIIS customers to get Expense information.

Get Expenses

This API contains one service, Get Expenses

Get Expense purpose is to present you with product information and changes per corporation.

The following document describes each method within the service and defines their inputs and outputs.

Step 1: Authorization

The first step in the integration process is to create an authorization request. The purpose of this is to receive the TokenId which you will submit with every request in future as authentication and identification. In authorization request there are some fields that must be submitted.

client_id=gtp_ro

client_secret=216cc84e-a4ba-46f3-ad0b-dc74f34efb8b

grant_type=password

username = {username} - will be provided by Atriis

password={password} - will be provided by Atriis

scope=openid profile roles backendAPI

In addition API KEY should be passed in the Header.

How to create API KEY?

Please sign up using one of the links below (your Atriis contact will advise if you should register to staging or production):

Staging: <https://tmc2staging.developer.azure-api.net/signup>

Production: <https://gtp.developer.azure-api.net/signup>

Once Atriis administrator will approve your subscription, you will get an API KEY.

Example of how to get a token in C# - In addition there is an example on the ATRIIS portal,

```
var client = new HttpClient();  
    // Request headers  
    client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key",  
"df4f6781c2284807adf56884393faa5c");  
    var tokenUri = "https://tmc2staging.azure-api.net/Authorize";  
    HttpResponseMessage tokenResponse;  
    // Request body
```

```
byte[] byteData =
Encoding.UTF8.GetBytes("client_id=gtp_ro&client_secret=216cc84e-a4ba-46f3-ad0b-
dc74f34efb8b&grant_type=password&username={username}&password={password}&scop
e=openid profile roles backendAPI");

using (var content = new ByteArrayContent(byteData))
{
    tokenResponse = client.PostAsync(tokenUri, content).Result;
}

string tokenResponseBody = tokenResponse.Content.ReadAsStringAsync().Result;
dynamic stuff = JsonConvert.DeserializeObject(tokenResponseBody);
var token = stuff.access_token;
```

Example from ATRIIS portal

Developers can discover and learn about ATRIIS API. Just sign up for an API key and start consuming this sample API right away!

[Sign up](#)

Authorize

[API definition](#)

Authorize
[Try it](#)

Request URL

`https://tm2staging.azure-api.net/Authorize/`

Request headers

Ocp-Apim-Subscription-Key `string` Subscription key which provides access to this API. Found in your [Profile](#).

Request body

`client_id=Client_secret=Grant_type=password&username=&password=&scope=`

Code samples

[Copy](#) [OK](#) [Save](#) [New Sample](#) [Curl](#) [PHP](#) [Python](#) [Ruby](#)

```
using System;
using System.Net.Http.Headers;
using System.Text;
using System.Net.Http;
using System.Web;

namespace CSHttpclientSample
{
    static class Program
    {
        static void Main()
```

Get Expenses Method

Production URI:

<https://gtp.azure-api.net/v2/Expense>

Staging URI:

<https://tmc2staging.azure-api.net/v2/Expense>

Method: POST

Request:

| Field name | Type | Definition | Optional | Comments |
|--------------------------------|----------|------------|----------|--|
| ExpenseType | int | | N | The expense type that is requested Nexonia = 0, Certify = 1 , Expensify = 2, DellBoomi = 3, Refundly = 4, Yokoy = 5 |
| CorporationId | Int[] | | N | List of all the Corporation Ids requested |
| NormalizeCurrency | string | | Y | EUR,USD,ILS (If you want to get the amount in specific currency) |
| GetAllExpensesWithLastModified | bool | | Y | Applied in case sent true and LastModified set. In case applied you'll get all the information on trips even if not contains new updates |
| LastModified | DateTime | | Y | Applied in case GetAllExpensesWithLastModified sent true In case applied you'll get all the information on trips even if not contains new updates |

Response:

| Field name | Type | Definition | Optional | Comments |
|------------------------------|----------|------------|----------|---|
| IsSuccess | boolean | | N | |
| AtriisGroupName | String | | Y | |
| AtriisGroupId | int | | N | Usergroup Id |
| ErrorMessage | String[] | | Y | List of all errors that occurred in the process |
| TripId | int | | N | The associated trip id in Atriis |
| AtriisAccountId | int | | N | The account id in Atriis system |
| AtriisId | int | | N | The user id in Atriis system |
| UserName | string | | Y | Primary passenger of trip (null in case it's guest) |
| BookerUserName | string | | N | Identifier of who booked the trip |
| BookerName | string | | N | Full name of who booked the trip |
| BookerType | string | | N | Agent/Corporate User |
| FinancialReference | string | | Y | The associated user financial code |
| FinancialName | string | | Y | The associated user financial name |
| Approvers | String[] | | Y | |
| CorporateReferance | string | | Y | |
| AdditionalCorporateReferance | string | | Y | |
| Destination | string | | N | |
| Longitude | double? | | Y | |

| | | | | |
|-----------------------|---------------------|--|---|---|
| Latitude | double? | | Y | |
| Itinerary | Itinerary[] | | Y | List of trips |
| -AirBooking | AirBooking[] | | Y | List of flights |
| --FlightPrice | string | | Y | Flight base fare (only flight price) |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellat ion, ReissueFailed |
| --Tax | string | | Y | Flight tax |
| --Amount | string | | Y | Total flight price including tax and additional prices |
| --Discount | string | | N | |
| --Fees | string | | N | |
| - -Additional | string | | N | |
| - -ConfirmationNumber | string | | Y | |
| - -Pnr | string | | Y | |
| --QuoteId | string | | N | GTP quote Id |
| --Action | string | | Y | Status of the product |

| | | | | |
|---------------------------|---------------------------|--|---|---|
| | | | | Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | N | The currency of the product (EUR, GBP,...) |
| --UserCurrency | string | | N | The currency of the travel agent (EUR, GBP,...) |
| --UserAmount | string | | N | Total flight price including tax and additional prices in user currency terms |
| --ReferenceFields | ReferenceFields [] | | N | All reference fields associated with this product |
| --AirSegment | AirSegment [] | | Y | |
| --- VendorName | string | | Y | Flight carrier name |
| --- VendorCode | string | | Y | Flight carrier code |
| --- SeatNumber | string | | Y | Seat numbers associated with the segment e.g.: 8C,10D |
| --- CityPair | string | | Y | LHRFRA |
| --- StartDate | DateTime | | N | |
| --- EndDate | DateTime | | N | |
| --- StartAirPort | string | | N | Origin |
| --- EndAirPort | string | | N | Destination |
| --- LatitudeEndAirPort | double? | | Y | 10.02 |
| --- LatitudeStartAirPort | double? | | Y | 10.02 |
| --- LongitudeStartAirPort | double? | | Y | 10.02 |

| | | | | |
|-------------------------|------------------------|--|---|---|
| --- LongitudeEndAirPort | double? | | Y | 10.02 |
| ---Cabin | string | | N | Flight Cabin (Y- Economy, C – Business, W - Premium Economy, F – First) |
| --Tickets | Ticket[] | | Y | |
| ---TicketNumber | string | | N | |
| ---Amount | string | | N | Total flight price including tax and additional prices |
| -- Currency | string | | N | The currency of the product (EUR, GBP,...) |
| - HotelBooking | HotelBooking [] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellat ion, ReissueFailed |
| -- VendorName | string | | Y | |
| -- Amount | string | | N | |

| | | | | |
|---------------------------|--------------------------|--|---|---|
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- Address | string | | N | |
| -- GuestCount | string | | N | Number of guests |
| -- CancelPolicy | string | | Y | The cancelation policy of the hotel |
| -- QuoteId | string | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | N | The currency of the product |
| -- Longitude | double? | | Y | |
| -- Latitude | double? | | Y | |
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - CarBooking | CarBooking[] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- PickupAddress | string | | N | |
| -- DropoffAddress | string | | N | |

| | | | | |
|------------------|----------|--|---|---|
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellat ion, ReissueFailed |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | Y | |
| -- EndLocation | string | | Y | |
| --QuoteId | string | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | Y | The currency of the product |
| -- Amount | string | | Y | |

| | | | | |
|-------------------------|--------------------------|--|---|---|
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- Longitude | double? | | Y | |
| -- Latitude | double? | | Y | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| -HeathrowExpressBooking | HeathrowExpressSegment[] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing, Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellation, ReissueFailed |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- RouteDesc | string | | Y | The route start and end |

| | | | | |
|-----------------------|----------------------|--|---|--|
| --StartLocation | string | | Y | |
| -- EndLocation | string | | Y | |
| --QuoteId | string | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | Y | The currency of the product |
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- Amount | string | | N | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - GroundScopeBooking | GroundScopeSegment[] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellat |

| | | | | |
|---------------------------|--------------------------|--|---|--|
| | | | | ion, ReissueFailed |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | Y | |
| -- EndLocation | string | | Y | |
| --QuoteId | string | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | Y | The currency of the product |
| -- Amount | string | | Y | |
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - AmtrakBooking | AmtrakSegment[] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, |

| | | | | |
|---------------------------|----------|--|---|---|
| | | | | Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellation, ReissueFailed |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | N | |
| -- EndLocation | string | | N | |
| --QuoteId | string | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- StartLocationLongitude | double? | | Y | |
| -- StartLocationLatitude | double? | | Y | |
| -- EndLocationLongitude | double? | | Y | |
| -- EndLocationLatitude | double? | | Y | |
| -- UserAmount | string | | N | |

| | | | | |
|-----------------------|-------------------|--|---|--|
| -- UserCurrency | string | | N | |
| -- Currency | string | | N | The currency of the product |
| -- Amount | string | | N | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - ParkingBooking | ParkingSegments[] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing, Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellat ion, ReissueFailed |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | Y | |

| | | | | |
|---------------------------|---------------------------|--|---|---|
| -- EndLocation | string | | Y | |
| --QuoteId | int | | N | GTP quote Id |
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- Longitude | double? | | Y | |
| -- Latitude | double? | | Y | |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | Y | The currency of the product |
| -- Amount | double | | N | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - OtherReservation | OtherReservation[] | | Y | |
| -- StartDate | DateTime | | N | |
| --Remarks | String | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, |

| | | | | |
|------------------------------------|------------------------------------|--|---|---|
| | | | | Deleted, TicketingError, Disrupted, PendingCancellation, ReissueFailed |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | Y | |
| -- EndLocation | string | | Y | |
| --QuoteId | int | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | Y | The currency of the product |
| -- Amount | double | | N | |
| -- PerDiemBreakdown | PerdiemBreakdown[] | | Y | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - EvolviBooking | EvolviSegments [] | | Y | |
| -- ConfirmationNumber | string | | Y | |
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, |

| | | | | |
|---------------------------|--------------------------|--|---|--|
| | | | | InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellation, ReissueFailed |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | N | |
| -- EndLocation | string | | N | |
| --QuoteId | string | | N | GTP quote Id |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | N | The currency of the product |
| -- Amount | string | | N | |
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| - EURailBooking | RailSegments [] | | Y | |
| -- RouteDetails | RouteDetails[] | | N | |

| | | | | |
|---------------------------|----------|--|---|---|
| -- BookingStatus | string | | Y | Selected, Booked, Ticketed, Cancelled, PendingTicketing ,Requeste Debited, Credited, NonIssued, Expired, BookingError, PendingReissue, InProgress, InBasket, Deleted, TicketingError, Disrupted, PendingCancellat ion, ReissueFailed |
| -- ConfirmationNumber | string | | Y | |
| -- VendorName | string | | Y | |
| -- VendorCode | string | | Y | |
| -- StartDate | DateTime | | N | |
| -- EndDate | DateTime | | N | |
| -- StartLocation | string | | Y | |
| -- EndLocation | string | | Y | |
| --QuoteId | int | | N | GTP quote Id |
| -- StartLocationLongitude | double? | | Y | |
| -- StartLocationLatitude | double? | | Y | |
| -- EndLocationLongitude | double? | | Y | |
| -- EndLocationLatitude | double? | | Y | |

| | | | | |
|----------------------------|--------------------------|--|---|---|
| -- UserAmount | string | | N | |
| -- UserCurrency | string | | N | |
| -- Action | string | | Y | Status of the product Add,Update, Delete |
| -- Fop | string | | Y | Form of payment (CC, supplierInvoice) |
| -- Currency | string | | Y | The currency of the product |
| -- Amount | double | | Y | |
| -- ReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this product |
| TripReferenceFields | ReferenceFields[] | | Y | All reference fields associated with this trip that I not related to other products |

Additional implementations

| | | | | |
|------------------------|------------------------|--|--|---------------------------------------|
| ReferenceFields | ReferenceFields | | | All reference fields associated |
|------------------------|------------------------|--|--|---------------------------------------|

| | | | | |
|----------------------------|-------------------------|--|---|--------------------------------------|
| | | | | with this product |
| - Text | string | | | |
| - Value | string | | | The answer himself |
| - Title | string | | | |
| - OutputToGDS | string | | | What actually sent to GDS |
| - SyncWith | string | | | The supplier to sync with |
| - ParameterName | string | | | The parameter name you expect to get |
| - Question | string | | | |
| - PassengerId | string | | | Default is 0 |
| RouteDetails | RouteDetails | | | |
| - DepartureStation | string | | N | BEBMI |
| - DepartureStationFullName | string | | N | Brussel, Center |
| - ArrivalStation | string | | N | BEBMI |
| - ArrivalStationFullName | string | | N | Brussel, Center |
| - CarrierName | string | | N | IC,ER |
| - CarrierCode | string | | N | 123,456 |
| - DepartureDateTime | DateTime | | N | |
| - ArrivalDateTime | DateTime | | N | |
| - TrainNumber | string | | N | 123,456 |
| PerdiemBreakdown | PerdiemBreakdown | | | |
| - Date | string | | N | yyyy-MM-dd |

| | | | | |
|------------|--------|--|---|--|
| - Amount | double | | N | |
| - Location | string | | N | |

Request:

JSON Request:

```
{
  "CorporationId": [
    27381,
    27382,
    27383
  ],
  "ExpenseType": 3
}
```

Response:

```
{
  "AirBooking": [{
    "FlightPrice": "52.00",
    "Tax": "181.82",
    "Discount": "0.00",
    "Fees": "0.00",
    "Additional": "0.00",
    "Pnr": "RDOQZY",
    "ConfirmationNumber": "RDOQZY",
    "AirSegment": [{
      "VendorName": "BA",
      "VendorCode": "BA",
      "StartDate": "2023-01-15T07:10:00",
      "EndDate": "2023-01-15T09:55:00",
      "FlightNumber": "0902",
      "SeatNumber": "",
      "StartAirPort": "LHR;Heathrow APT, GB (LHR)",
      "EndAirPort": "FRA;Frankfurt, DE (FRA)",
    }
  ]
}]
}
```

```
"CityPair": "LHRFRA",
"Cabin": "Y",
"LatitudeEndAirPort": 50.03,
"LongitudeStartAirPort": -0.46,
"LatitudeStartAirPort": 51.48
}, {
  "VendorName": "BA",
  "VendorCode": "BA",
  "StartDate": "2023-02-21T17:35:00",
  "EndDate": "2023-02-21T18:20:00",
  "FlightNumber": "0909",
  "SeatNumber": "",
  "StartAirPort": "FRA;Frankfurt, DE (FRA)",
  "EndAirPort": "LHR;Heathrow APT, GB (LHR)",
  "CityPair": "FRALHR",
  "Cabin": "Y",
  "LongitudeEndAirPort": -0.46,
  "LatitudeEndAirPort": 51.48,
  "LongitudeStartAirPort": 8.54,
  "LatitudeStartAirPort": 50.03
}
],
"Tickets": [{
  "TicketNumber": "125-2147882001",
  "Amount": "114.91",
  "Currency": "GBP"
}, {
  "TicketNumber": "125-2147882002",
  "Amount": "114.91",
  "Currency": "GBP"
}
],
"Quoteld": "2365124",
"Currency": "GBP",
"Amount": "233.82",
"UserAmount": "287.60",
"UserCurrency": "USD",
"LastModified": "0001-01-01T00:00:00",
"ReferenceFields": [{
  "Value": "fddf",
  "OutputToGDS": "dfs",
  "Question": "flight per quote",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "Yes",
  "OutputToGDS": "yyyyy",
  "Question": "Per Flight - Per Ticket",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
```

```
    "ParameterName": ""
  }
],
"BookingStatus": "PendingReissue",
"NormalizedExchangeRate": 0.0
}
],
"HotelBooking": [{
  "ConfirmationNumber": "139857835462041,804981963442549",
  "Pnr": "7737762427969",
  "StartDate": "2023-01-16T12:00:00",
  "EndDate": "2023-01-19T12:00:00",
  "Address": "Moselstrasse 34, Frankfurt, 60329, DE",
  "GuestCount": "2",
  "CancelPolicy": "We understand that sometimes your travel plans change. We do not charge a change or cancel fee. However, this property (Angel Hotel) imposes the following penalty to its customers that we are required to pass on: Cancellations or changes made after 6:00 PM (GMT+01:00) on Jan 16, 2023 are subject to a 100% Charge. If you fail to check-in for this reservation, or if you cancel or change this reservation after check-in, you may incur penalty charges at the discretion of the property of up to 100% of the booking value.",
  "Longitude": 8.665975,
  "Latitude": 50.108473,
  "QuotelId": "2365129",
  "Fop": "CreditCard",
  "Currency": "GBP",
  "Amount": "592.26",
  "UserAmount": "728.48",
  "UserCurrency": "USD",
  "LastModified": "0001-01-01T00:00:00",
  "ReferenceFields": [],
  "BookingStatus": "Cancelled",
  "NormalizedExchangeRate": 0.0
}
],
"CarBooking": [{
  "ConfirmationNumber": "9926321637",
  "Pnr": "OJG3SG",
  "VendorName": "SX",
  "VendorCode": "SX",
  "StartDate": "2023-01-17T23:30:00",
  "EndDate": "2023-01-20T11:15:00",
  "PickupAddress": "AIRPORT CITY MALL, BEREICH A, FRANKFURT AM MA, DE",
  "DropoffAddress": "AIRPORT CITY MALL, BEREICH A, FRANKFURT AM MA, DE",
  "StartLocation": "FRA",
  "EndLocation": "FRA",
  "Longitude": 8.54,
  "Latitude": 50.03,
  "QuotelId": "2365132",
  "Fop": "Invoice",
  "Currency": "EUR",
  "Amount": "242.11",
```

```

    "UserAmount": "255.10",
    "UserCurrency": "USD",
    "LastModified": "0001-01-01T00:00:00",
    "ReferenceFields": [{
      "Value": "CAR RELATED REF",
      "OutputToGDS": "CAR RELATED REF",
      "Question": "Car Related",
      "PassengerId": 0,
      "SyncWith": "Yokoy",
      "ParameterName": ""
    }, {
      "Value": "REF32",
      "OutputToGDS": "REF32",
      "Question": "Per CAR",
      "PassengerId": 0,
      "SyncWith": "Yokoy",
      "ParameterName": ""
    }
  ],
  "BookingStatus": "Cancelled",
  "NormalizedExchangeRate": 0.0
}
],
"HeatrowExpressBooking": [{
  "ConfirmationNumber": "166110",
  "StartDate": "2023-01-17T12:00:00",
  "StartLocation": "Paddington ",
  "EndLocation": " Heathrow",
  "Quotel": "2365154",
  "Fop": "Invoice",
  "Currency": "GBP",
  "Amount": "45.00",
  "UserAmount": "55.35",
  "UserCurrency": "USD",
  "LastModified": "0001-01-01T00:00:00",
  "ReferenceFields": [],
  "BookingStatus": "Ticketed",
  "NormalizedExchangeRate": 0.0
}
],
"AmtrakBooking": [{
  "StartDate": "2023-01-16T15:40:00",
  "EndDate": "2023-01-23T21:30:00",
  "StartLocation": "NYP",
  "EndLocation": "CHI",
  "StartLocationLongitude": -74.06,
  "StartLocationLatitude": 40.85,
  "Quotel": "2365177",
  "Fop": "Invoice",
  "Currency": "USD",
  "Amount": "360.00",

```

```
"UserAmount": "360.00",
"UserCurrency": "USD",
"LastModified": "0001-01-01T00:00:00",
"ReferenceFields": [],
"BookingStatus": "Deleted",
"NormalizedExchangeRate": 0.0
}
],
"ParkingBooking": [{
  "ConfirmationNumber": "DVQBWG",
  "StartDate": "2023-01-16T17:30:00",
  "EndDate": "2023-01-19T13:30:00",
  "StartLocation": "FRA",
  "Address": "Purple Parking Park and Ride T5,17 Bath Road, Heathrow, Hounslow, TW6 2AL",
  "EndLocation": "FRA",
  "Longitude": -0.425819993019104,
  "Latitude": 51.480609893798828,
  "QuotelId": "2365150",
  "Fop": "Invoice",
  "Currency": "GBP",
  "Amount": "49.95",
  "UserAmount": "61.44",
  "UserCurrency": "USD",
  "LastModified": "0001-01-01T00:00:00",
  "ReferenceFields": [],
  "BookingStatus": "Cancelled",
  "NormalizedExchangeRate": 0.0
}, {
  "ConfirmationNumber": "DVQBWH",
  "StartDate": "2023-01-18T12:00:00",
  "EndDate": "2023-01-19T12:00:00",
  "StartLocation": "FRA",
  "Address": "Purple Parking Park and Ride T5,17 Bath Road, Heathrow, Hounslow, TW6 2AL",
  "EndLocation": "FRA",
  "Longitude": -0.425819993019104,
  "Latitude": 51.480609893798828,
  "QuotelId": "2365161",
  "Fop": "Invoice",
  "Currency": "GBP",
  "Amount": "29.95",
  "UserAmount": "36.84",
  "UserCurrency": "USD",
  "LastModified": "0001-01-01T00:00:00",
  "ReferenceFields": [],
  "BookingStatus": "Ticketed",
  "NormalizedExchangeRate": 0.0
}
],
"EvolviBooking": [{
  "ConfirmationNumber": "3469935",
  "StartDate": "2023-01-17T06:59:00",
```

```

"EndDate": "2023-01-18T18:49:00",
"StartLocation": "Lichfield Trent Valley",
"EndLocation": "Lichfield Trent Valley",
"Quoteld": "2365144",
"Fop": "Invoice",
"Currency": "GBP",
"Amount": "135.60",
"UserAmount": "166.79",
"UserCurrency": "USD",
"LastModified": "0001-01-01T00:00:00",
"ReferenceFields": [],
"BookingStatus": "Cancelled",
"NormalizedExchangeRate": 0.0
}
],
"EURailBooking": [{
  "ConfirmationNumber": "QNBLCJH",
  "StartDate": "2023-01-17T07:48:00",
  "EndDate": "2023-01-20T19:11:00",
  "StartLocation": "BEBMI - Bruxelles-Midi (Be)",
  "EndLocation": "NLAHO - Amsterdam Holendrecht (NI)",
  "RouteDetails": [{
    "DepartureStation": "BEBMI",
    "DepartureStationFullName": "BRUXELLES-MIDI",
    "ArrivalStation": "BEBNO",
    "ArrivalStationFullName": "BRUXELLES-NORD",
    "DepartureDateTime": "2023-01-17T07:48:00",
    "ArrivalDateTime": "2023-01-17T07:56:00",
    "TrainNumber": "6557",
    "Duration": "00:08",
    "RouteNumber": 0,
    "CityPair": "BEBMIBEBNO",
    "IsNextRouteSameDeparture": false,
    "SegmentIndex": 1,
    "RouteIndex": "1"
  }, {
    "DepartureStation": "BEBNO",
    "DepartureStationFullName": "BRUXELLES-NORD",
    "ArrivalStation": "BEABC",
    "ArrivalStationFullName": "ANTWERPEN-CENTRAAL",
    "CarrierName": "Intercity",
    "CarrierCode": "IC",
    "DepartureDateTime": "2023-01-17T08:02:00",
    "ArrivalDateTime": "2023-01-17T08:35:00",
    "TrainNumber": "2006",
    "Duration": "00:33",
    "RouteNumber": 0,
    "CityPair": "BEBNOBEABC",
    "IsNextRouteSameDeparture": false,
    "SegmentIndex": 1,
    "RouteIndex": "2",

```

```
"OriginForTicket": "ZONE BRUXELLES/BRUSSEL ",
"DestinationForTicket": "AMSTERDAM HOLENDR."
}, {
  "DepartureStation": "BEABC",
  "DepartureStationFullName": "ANTWERPEN-CENTRAAL",
  "ArrivalStation": "NLRTC",
  "ArrivalStationFullName": "ROTTERDAM C.",
  "CarrierName": "Intercity",
  "CarrierCode": "IC",
  "DepartureDateTime": "2023-01-17T08:44:00",
  "ArrivalDateTime": "2023-01-17T09:50:00",
  "TrainNumber": "9219",
  "Duration": "01:06",
  "RouteNumber": 0,
  "CityPair": "BEABCNLRTC",
  "IsNextRouteSameDeparture": false,
  "SegmentIndex": 1,
  "RouteIndex": "3",
  "OriginForTicket": "ZONE BRUXELLES/BRUSSEL ",
  "DestinationForTicket": "AMSTERDAM HOLENDR."
}, {
  "DepartureStation": "NLRTC",
  "DepartureStationFullName": "ROTTERDAM C.",
  "ArrivalStation": "NLAHO",
  "ArrivalStationFullName": "AMSTERDAM HOLENDR.",
  "CarrierName": "Intercity",
  "CarrierCode": "IC",
  "DepartureDateTime": "2023-01-17T09:54:00",
  "ArrivalDateTime": "2023-01-17T10:53:00",
  "TrainNumber": "4030",
  "Duration": "00:59",
  "RouteNumber": 0,
  "CityPair": "NLRTCNLAHO",
  "IsNextRouteSameDeparture": false,
  "SegmentIndex": 1,
  "RouteIndex": "4",
  "OriginForTicket": "ZONE BRUXELLES/BRUSSEL ",
  "DestinationForTicket": "AMSTERDAM HOLENDR."
}, {
  "DepartureStation": "NLAHO",
  "DepartureStationFullName": "AMSTERDAM HOLENDR.",
  "ArrivalStation": "NLRTC",
  "ArrivalStationFullName": "ROTTERDAM C.",
  "CarrierName": "Sprinter",
  "CarrierCode": "R84",
  "DepartureDateTime": "2023-01-20T16:06:00",
  "ArrivalDateTime": "2023-01-20T17:04:00",
  "TrainNumber": "4059",
  "Duration": "00:58",
  "RouteNumber": 0,
  "CityPair": "NLAHONLRTC",
```

```
"IsNextRouteSameDeparture": false,
"SegmentIndex": 2,
"RouteIndex": "1",
"OriginForTicket": "AMSTERDAM HOLENDR.",
"DestinationForTicket": "ZONE BRUXELLES/BRUSSEL "
}, {
  "DepartureStation": "NLRTC",
  "DepartureStationFullName": "ROTTERDAM C.",
  "ArrivalStation": "BEABC",
  "ArrivalStationFullName": "ANTWERPEN-CENTRAAL",
  "CarrierName": "Sprinter",
  "CarrierCode": "R84",
  "DepartureDateTime": "2023-01-20T17:11:00",
  "ArrivalDateTime": "2023-01-20T18:16:00",
  "TrainNumber": "9252",
  "Duration": "01:05",
  "RouteNumber": 0,
  "CityPair": "NLRTCBEABC",
  "IsNextRouteSameDeparture": false,
  "SegmentIndex": 2,
  "RouteIndex": "2",
  "OriginForTicket": "AMSTERDAM HOLENDR.",
  "DestinationForTicket": "ZONE BRUXELLES/BRUSSEL "
}, {
  "DepartureStation": "BEABC",
  "DepartureStationFullName": "ANTWERPEN-CENTRAAL",
  "ArrivalStation": "BEBMI",
  "ArrivalStationFullName": "BRUXELLES-MIDI",
  "CarrierName": "Sprinter",
  "CarrierCode": "R84",
  "DepartureDateTime": "2023-01-20T18:25:00",
  "ArrivalDateTime": "2023-01-20T19:11:00",
  "TrainNumber": "2040",
  "Duration": "00:46",
  "RouteNumber": 0,
  "CityPair": "BEABCBEBMI",
  "IsNextRouteSameDeparture": false,
  "SegmentIndex": 2,
  "RouteIndex": "3",
  "OriginForTicket": "AMSTERDAM HOLENDR.",
  "DestinationForTicket": "ZONE BRUXELLES/BRUSSEL "
}
],
"StartLocationLongitude": 4.4,
"StartLocationLatitude": 50.8,
"EndLocationLongitude": 9.4,
"EndLocationLatitude": 56.8,
"Quoteld": "2365147",
"Fop": "Invoice",
"Currency": "EUR",
"Amount": "127.00",
```



```
"UserAmount": "133.81",
"UserCurrency": "USD",
"LastModified": "0001-01-01T00:00:00",
"ReferenceFields": [{
  "Value": "ARRAD TSACH",
  "OutputToGDS": "ARRAD TSACH",
  "Question": "rail",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}],
"BookingStatus": "Cancelled",
"NormalizedExchangeRate": 0.0
},
"GroundScopeBooking": [{
  "ConfirmationNumber": "0002450",
  "VendorName": "Hi Russell",
  "StartDate": "2023-02-08T23:15:00",
  "EndDate": "2023-02-09T00:13:18",
  "StartLocation": "London, United Kingdom - Heathrow APT (LHR)",
  "EndLocation": "Emirates Stadium, Hornsey Road",
  "Quotel": "2365117",
  "Fop": "CreditCard",
  "Currency": "GBP",
  "Amount": "3.68",
  "UserAmount": "4.53",
  "UserCurrency": "USD",
  "LastModified": "0001-01-01T00:00:00",
  "ReferenceFields": [],
  "BookingStatus": "Cancelled",
  "NormalizedExchangeRate": 0.0
}],
"OtherReservation": [{
  "Type": "Per-Diem for Frankfurt",
  "StartDate": "2023-01-16T20:10:00",
  "EndDate": "2023-01-16T20:10:00",
  "Quotel": "2365134",
  "Currency": "USD",
  "Amount": "375.00",
  "UserAmount": "375.00",
  "UserCurrency": "USD",
  "LastModified": "0001-01-01T00:00:00",
  "ReferenceFields": [],
  "BookingStatus": "Deleted",
  "NormalizedExchangeRate": 0.0
}, {
  "Type": "Per-Diem for Frankfurt",
  "StartDate": "2023-01-16T20:10:00",
```

```
"EndDate": "2023-01-16T20:10:00",
"QuotelId": "2365134",
"Currency": "USD",
"Amount": "375.00",
"UserAmount": "375.00",
"UserCurrency": "USD",
"LastModified": "0001-01-01T00:00:00",
"ReferenceFields": [],
"BookingStatus": "Deleted",
"NormalizedExchangeRate": 0.0
}
],
"TripId": 0,
"TriiId": 0,
"TriiAccountId": 5,
"TriiGroupId": 7270,
"TriiGroupName": "TsachArradTeam",
"UserName": "tsach.arrad@atriis.com",
"FinancialReference": "FRCODE1",
"FinancialName": "FRNAME1",
"CorporateReferance": "aaa",
"Destination": "FRA;Frankfurt, DE (FRA)",
"Longitude": 8.54,
"Latitude": 50.03,
"TripReferenceFields": [{
  "Value": "A11111",
  "OutputToGDS": "A11111",
  "Question": "New trip questionn",
  "PassengerId": 1538618,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "A11111",
  "OutputToGDS": "A11111",
  "Question": "New trip questionn",
  "PassengerId": 1538619,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "22w",
  "OutputToGDS": "dsad",
  "Question": "dsadas",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "232ewq",
  "OutputToGDS": "232ewq",
  "Question": "Employee number",
  "PassengerId": 1538619,
  "SyncWith": "Yokoy",
```

```
"ParameterName": ""
}, {
  "Value": "qwe231",
  "OutputToGDS": "qwe231",
  "Question": "Cost Code",
  "PassengerId": 1538619,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "option1",
  "OutputToGDS": "output togds1",
  "Question": "drop down quesiton",
  "PassengerId": 1538619,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "196658",
  "OutputToGDS": "196658",
  "Question": "Employee number",
  "PassengerId": 1538618,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "1233456",
  "OutputToGDS": "1233456",
  "Question": "Cost Code",
  "PassengerId": 1538618,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "option1",
  "OutputToGDS": "output togds1",
  "Question": "drop down quesiton",
  "PassengerId": 1538618
}, {
  "Value": "a",
  "OutputToGDS": "bnbnbnng",
  "Question": "checkout question",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "Conference",
  "OutputToGDS": "1",
  "Question": "Travel Purpose",
  "PassengerId": 0
}, {
  "Value": "Maybe",
  "OutputToGDS": "Maybe",
  "Question": "Checkbox",
  "PassengerId": 0,
```

```
"SyncWith": "Yokoy",
"ParameterName": ""
}, {
  "Value": "nothing",
  "OutputToGDS": "nothing",
  "Question": "Text Area",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "hotel red",
  "OutputToGDS": "hotel red",
  "Question": "Hotel only",
  "PassengerId": 1538619,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "flightred",
  "OutputToGDS": "flightred",
  "Question": "Hotel only",
  "PassengerId": 1538618,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "mail@mail.com",
  "OutputToGDS": "mail@mail.com",
  "Question": "Booker's Email Address",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "Ja.",
  "OutputToGDS": "RC beachten!!!",
  "Question": "Mark-Up enthalten?",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "Nein.",
  "OutputToGDS": "nomu",
  "Question": "Mark-Up enthalte2",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}, {
  "Value": "checkout RMp",
  "OutputToGDS": "checkout RMp",
  "Question": "checkout RMp",
  "PassengerId": 0,
  "SyncWith": "Yokoy",
  "ParameterName": ""
}
```

```

    }, {
      "Value": "312",
      "OutputToGDS": "312",
      "Question": "Atrii No Need",
      "PassengerId": 0,
      "SyncWith": "Yokoy",
      "ParameterName": ""
    }
  ],
  "LastModified": "0001-01-01T00:00:00",
  "User": {
    "FirstName": "Eran",
    "LastName": "Testt",
    "Currency": "USD",
    "Active": true
  }
}

```

Get ExpensesByUser Method

Production URI:

<https://gtp.azure-api.net/v2/ExpenseByUser>

Staging URI:

<https://tmc2staging.azure-api.net/v2/ExpenseByUser>

Method: POST

Request

| Field name | Type | Definition | Optional | Comments |
|---------------|------|------------|----------|---|
| CorporationId | int | | | In advance to get related trips of this corporation |
| UserId | int | | | In advance to get related trips of this passenger |

Response

| | | | | |
|-------------|------|--|---|--|
| - IsSuccess | bool | | N | |
|-------------|------|--|---|--|

| | | | | |
|----------------------|----------------------|--|---|---------------|
| - ErrorMessage | String[] | | Y | |
| - Itineraries | Itineraries[] | | Y | List of trips |
| --Tripld | int | | N | |
| --LastModified | DateTime | | N | |
| -User | User | | N | |
| --Id | int | | N | |
| --Active | bool | | N | |
| -CorporationId | int | | N | |

Method: POST

request:

```
{
  "CorporationId" :456,
  "UserId": 78453456745,
}
```

response:

```
{
  "IsSuccess": true,
  "ErrorMessage": [
    "Agency not authorized to view corporation (456).",
    "User is not connected to this corporation."
  ],
  "CorporationId": 456,
  "User": {
    "Id": 78453456745,
    "Active": true,
  },
  "Itineraries": [
    {
      "Tripld": 12345,
      "LastModified": "2019-12-24 22:55"
    },
    {
      "Tripld": 4124124,
      "LastModified": "2019-12-24 22:55"
    }
  ]
}
```

```

    {
      "TripId": 78212314,
      "LastModified": "2021-01-24 22:55"
    },
    {
      "TripId": 43211214,
      "LastModified": "2021-01-21 22:55"
    }
  ]
}

```

Get ExpensesByTripId Method

Production URI:

<https://gtp.azure-api.net/v2/ExpenseByTripId>

Staging URI:

<https://tmc2staging.azure-api.net/v2/ExpenseByTripId>

Method: POST

Request

| Field name | Type | Optional | Comments |
|-------------------|-------------|----------|---|
| CorporationId | int | N | In advance to get related trips of this corporation |
| TripId | int | N | |
| CorporationIds | Int[] | Y | In advance to get related trips of this corporation (in case you don't know the id, send all the corporation ids related to the agency) |
| ExpenseType | ExpenseType | N | Nexonia, Certify, Expensify, DellBoomi, Refundly, Yokoy |
| NormalizeCurrency | string | Y | EUR,USD,ILS,... |

Response :

| Field name | Type | Optional | Comments |
|-------------------|------------------|-----------------|-----------------|
| IsSuccess | book | N | |
| ErrorMessage | string[] | Y | |
| Itinerary | Expenseltinerary | Y | |