

# VEA API Example (using curl)

In order to make API calls to the endpoints, you must first obtain an access token using your `client_id` and `client_secret`. These credentials are given when you create an API client inside the Vea application.

Once the access token has been obtained, it is used on subsequent calls to the API to verify your access.

## Authentication

### Get Access Token

**Request:**

```
$ curl \
-H "Content-type: application/json" \
-d '{"grant_type": "client_credentials", "client_id": "XXXXXXXXXXXXXX",
"client_secret": "XXXXXXXXXXXXXX"}' \
https://auth.sensourceinc.com/oauth/token
```

**Response:**

```
{
  "access_token": "{{ACCESS_TOKEN_VALUE}}",
  "refresh_token": "{{REFRESH_TOKEN_VALUE}}",
  "expires_in": 3600,
  "token_type": "Bearer"
}
```

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## API Calls

### Get All Locations

**Request:**

```
$ curl \
-H "Content-type: application/json" \
-H "Authorization: Bearer {{ACCESS_TOKEN_VALUE}}" \
https://vea.sensourceinc.com/api/location
```

**Response:**

```
[  
  {  
    "locationId": "{{LOCATION_ID}}",  
    "orgId": "{{ORGANIZATION_ID}}",  
    "locationTypeId": null,  
    "name": "Test Location",  
    "description": null,  
    "locationNumber": null,  
    "country": "United States",  
    "city": "Austintown",  
    "postalCode": "44515",  
    "state": "OH",  
    "street": "3890 Oakwood Ave",  
    "latitude": 41.105364,  
    "longitude": -80.719743,  
    "shippingId": null,  
    "createdAt": "2017-07-19T17:29:50.770Z",  
    "updatedAt": "2017-07-19T17:29:50.770Z"  
  }  
]
```

## Get Location by ID

### Request:

```
$ curl \  
  -H "Content-type: application/json" \  
  -H "Authorization: Bearer {{ACCESS_TOKEN_VALUE}}" \  
  https://vea.sensourceinc.com/api/location/{{LOCATION_ID}}
```

### Response:

```
{  
  "locationId": "{{LOCATION_ID}}",  
  "orgId": "{{ORGANIZATION_ID}}",  
  "locationTypeId": null,  
  "name": "Test Location",  
  "description": null,  
  "locationNumber": null,  
  "country": "United States",  
  "city": "Austintown",  
  "postalCode": "44515",  
  "state": "OH",  
  "street": "3890 Oakwood Ave",  
  "latitude": 41.105364,  
  "longitude": -80.719743,  
  "shippingId": null,  
  "createdAt": "2017-07-19T17:29:50.770Z",  
  "updatedAt": "2017-07-19T17:29:50.770Z"  
}
```

## Detailed (Individual) Count Records for Yesterday

### Request:

```
$ curl \
-H "Content-type: application/json" \
-H "Authorization: Bearer {{ACCESS_TOKEN_VALUE}}" \
https://vea.sensourceinc.com/api/data/traffic?relativeDate=yesterday
```

### Response:

```
{
  "messages": [],
  "results": [
    {
      "zoneId": "{{ZONE_ID}}",
      "recordDate": "2017-08-07T04:00:00.000Z",
      "ins": 0,
      "outs": 0
    },
    {
      "zoneId": "{{ZONE_ID}}",
      "recordDate": "2017-08-07T04:00:00.000Z",
      "ins": 0,
      "outs": 0
    }
  ]
}
```

## Count Records for Yesterday Grouped to the Hour, Per Zone

### Request:

```
$ curl \
-H "Content-type: application/json" \
-H "Authorization: Bearer {{ACCESS_TOKEN_VALUE}}" \
https://vea.sensourceinc.com/api/data/traffic?relativeDate=yesterday&dateGroupings=hour&entityType=zone
```

### Response:

```
{
  "messages": [],
  "results": [
    {
      "recordDate_hour_1": "2017-08-07T04:00:00.000Z",
      "zoneId": "25b542dc-f23c-47b8-b520-6d20b2b313b2",
      "name": "East Front Door",
      "sumins": 0,
      "sumouts": 0
    }
  ]
}
```

```
},
{
  "recordDate_hour_1": "2017-08-07T04:00:00.000Z",
  "zoneId": "286e91ce-1e5f-4481-9ecf-df7ea2e7084d",
  "name": "Shop to Tech Support",
  "sumins": 0,
  "sumouts": 0
}
]
}
```