

1. INTRODUCTION

The SpotSee API is a system designed to allow our clients to integrate their platform with our systems using a Json based API to manage a variety of services.

2. INVOKING OPERATIONS

Client initiated operations are invoked by making HTTP POST requests to the API Endpoint below:

Endpoint:

<https://track.spotsee.io/api/{resource-path}>

The body of the request should contain Json data as described in this document, the response will contain a Json response containing the result(s) or error(s) detailing any problems with the data submitted or if any issues were encountered processing the request.

Items highlighted in Orange are optional.

3. AUTHENTICATION

Each request must be sent with the following header name/value pairs:

content-type: application/json

app-ref: App ref provided to you.

app-token: App token provided to you.

4. Assets

4.1: List Assets

URI

<https://track.spotsee.io/api/assets>

METHOD

POST

DESCRIPTION

This will return a list of all active assets.

Field	Description	Data Type (Regex)	Length	Required
inactive	Include inactive units in results	Boolean	1	False

EXAMPLE BODY

```
{
  "inactive": true
}
```

EXAMPLE RESPONSE

```
{
  "response": [
    {
      "client": "Test Client",
      "unitId": "SP000000",
      "lastContact": "2023-04-11 16:56:29",
      "lastFix": "2023-04-11 16:56:27",
      "lastFixType": "Cell",
      "location": "https://www.google.com/maps/place/41.612224578857,-83.532005310059",
      "lastMeasurement": "2023-04-11 16:55:51",
      "measurementTemperature": "22.00",
      "measurementHumidity": "0.00",
      "lastShock": "",
      "shock": "",
      "shock2": "",
      "shockMagnitude": "",
      "batteryLevel": "28.00",
      "active": true
    },
    {
      "client": "Test Client",
      "unitId": "SP000001",
      "lastContact": "2023-04-11 16:21:10",
      "lastFix": "2023-04-11 15:10:23",
      "lastFixType": "Cell",
      "location": "https://www.google.com/maps/place/36.680877685547,-88.306671142578",
      "lastMeasurement": "2023-04-11 16:20:33",
      "measurementTemperature": "19.00",
      "measurementHumidity": "0.00",
      "lastShock": "",
      "shock": "",
      "shock2": "",
      "shockMagnitude": "",
      "batteryLevel": "10.00",
      "active": true
    }
  ]
}
```

4.2: Get Asset

URI

<https://track.spotsee.io/api/assets/{UnitID}>

METHOD

POST

DESCRIPTION

This will return data for a single asset.

EXAMPLE RESPONSE

```
{
  "response": [
    {
      "client": "Test Client",
      "unitId": "SP000000",
      "lastContact": "2023-04-11 16:56:29",
      "lastFix": "2023-04-11 16:56:27",
      "lastFixType": "Cell",
      "location": "https://www.google.com/maps/place/41.612224578857,-83.532005310059",
      "lastMeasurement": "2023-04-11 16:55:51",
      "measurementTemperature": "22.00",
      "measurementHumidity": "0.00",
      "lastShock": "",
      "shockX": "",
      "shockY": "",
      "shockZ": "",
      "shockMagnitude": "",
      "batteryLevel": "28.00",
      "active": true
    }
  ]
}
```

4.3: History

URI

<https://track.spotsee.io/api/assets/{UnitID}/ history>

METHOD

POST

DESCRIPTION

This will return unit summary/alerts in SpotBot3G format between the provided dates.

Field	Description	Data Type (Regex)	Length	Required
start	UTC start time (yyyy-MM-dd HH:mm:ss)	Date	10	True
end	UTC end time (yyyy-MM-dd HH:mm:ss)	Date	10	True

EXAMPLE BODY

```
{
  "start": "2022-09-01",
  "end": "2022-09-01 23:59:59"
}
```

EXAMPLE RESPONSE

```
{
  "response": [
    {
      "unitid": " SP000000",
      "msgType": "summary",
      "loc": "38.220775800000,-91.154646300000",
      "bat": 0.0,
      "latitude": 38.220775800000,
      "longitude": -91.154646300000,
      "timestamp": "2022-09-01T08:22:38",
      "accelX": 0.0,
      "accelY": 0.0,
      "accelZ": 0.0,
      "magnitude": 0.0,
      "shockTimestamp": ""
    },
    {
      "unitid": " SP000000",
      "msgType": "summary",
      "loc": "38.220775800000,-91.154646300000",
      "bat": 0.0,
      "latitude": 38.220775800000,
      "longitude": -91.154646300000,
      "timestamp": "2022-09-01T08:22:38",
      "accelX": 0.0,
      "accelY": 0.0,
      "accelZ": 0.0,
      "magnitude": 0.0,
      "shockTimestamp": ""
    }
  ]
}
```

4.4: Trip History

URI

https://track.spotsee.io/api/assets/{UnitID}/trip_history

METHOD

POST

DESCRIPTION

This will return the unit trip history between the provided dates.

Field	Description	Data Type (Regex)	Length	Required
start	UTC start time (yyyy-MM-dd HH:mm:ss)	Date	10	True
end	UTC end time (yyyy-MM-dd HH:mm:ss)	Date	10	True

EXAMPLE BODY

```
{
  "start": "2022-09-01",
  "end": "2022-09-01 23:59:59"
}
```

EXAMPLE RESPONSE

```
{
  "response": [
    {
      "client": "Test Client",
      "unitid": "SP000000",
      "location": "Test Location",
      "locationLink": "https://www.google.com/maps/place/38.220775800000,-91.154646300000",
      "type": "Visit",
      "duration": "8d 3h",
      "timestamp": "2022-09-09 11:31:41",
      "shockTimestamp": "",
      "shock1": "",
      "shock2": "",
      "shock3": "",
      "shockMagnitude": ""
    },
    {
      "client": "Test Client",
      "unitid": "SP000000",
      "location": "Test Location",
      "locationLink": "https://www.google.com/maps/place/38.220775800000,-91.154646300000",
      "type": "Visit",
      "duration": "3d 10h",
      "timestamp": "2022-09-04 19:07:07",
      "shockTimestamp": "",
      "shock1": "",
      "shock2": "",
      "shock3": "",
      "shockMagnitude": ""
    }
  ]
}
```

4.5: Measurements

URI

<https://track.spotsee.io/api/assets/{UnitID}/measurements>

METHOD

POST

DESCRIPTION

This will return a list of measurements from the device between the dates provided.

Field	Description	Data Type (Regex)	Length	Required
start	UTC start time (yyyy-MM-dd HH:mm:ss)	Date	10	True
end	UTC end time (yyyy-MM-dd HH:mm:ss)	Date	10	True

EXAMPLE BODY

```
{
  "start": "2022-09-01",
  "end": "2022-09-01 23:59:59"
}
```

EXAMPLE RESPONSE

```
{
  "response": [
    {
      "client": "Test Client",
      "unitid": "SP000000",
      "timestamp": "2022-09-01 23:49:00",
      "temperature": "32.00",
      "humidity": "0.00",
      "locationLink": "",
      "locationTimestamp": ""
    },
    {
      "client": "Test Client",
      "unitid": "SP000000",
      "timestamp": "2022-09-01 23:01:54",
      "temperature": "34.00",
      "humidity": "0.00",
      "locationLink": "",
      "locationTimestamp": ""
    }
  ]
}
```

4.6: Impacts

URI

<https://track.spotsee.io/api/assets/{UnitID}/impacts>

METHOD

POST

DESCRIPTION

This will return a list of impacts measured by the device between the dates provided.

Field	Description	Data Type (Regex)	Length	Required
start	UTC start time (yyyy-MM-dd HH:mm:ss)	Date	10	True
end	UTC end time (yyyy-MM-dd HH:mm:ss)	Date	10	True

EXAMPLE BODY

```
{
  "start": "2022-09-01",
  "end": "2022-09-01 23:59:59"
}
```

EXAMPLE RESPONSE

```
{
  "response": [
    {
      "client": "Test Client",
      "unitid": "SP000000",
      "timestamp": "2022-09-01 23:49:00",
      "temperature": "32.00",
      "humidity": "0.00",
      "locationLink": "",
      "locationTimestamp": ""
    },
    {
      "client": "Test Client",
      "unitid": "SP000000",
      "timestamp": "2022-09-01 23:01:54",
      "temperature": "34.00",
      "humidity": "0.00",
      "locationLink": "",
      "locationTimestamp": ""
    }
  ]
}
```