

Opus API

Introduction

Prerequisites api

Before you start using the ITB api you need the following:

1. An account for the internet timebook, as well as an api-key.
2. Follow the step by step installation guide.
3. Only when the provider's timeslots are visible and bookings can be made on the subdomain, then you are ready to start with the next step in this api guide.

Request headers

The following request headers are expected for api calls:

Key	Value
api_key	The key given to you by Opus Dental
Content-Type	This one is needed when a body is passed to the method. In those cases the content type should be "application/json"

Return from api calls

The ITB api is a REST api. There are only a few http-status codes that are used. The following codes are used.

- 200:** The api-call was successful. In most cases there is additional information in the response bodies. For more details refer to the documentation for the individual api calls.
- 400:** Bad request. In this case one or more of the parameters have missing or invalid data. In those cases the body should contain more information about what needs to be corrected before the request can be sent again. Some examples: "Invalid SSN", invalid treatmentid.
- 404:** No data. This can be the case when you try to list data for an entity, but there is no data to return. For instance if you try to list invoices for a patient that has no invoices. Can also be returned in the case of a valid request for an entity that does not exist.
- 500:** Internal server error. You are not supposed to run into any 500 errors, because that means that there is a bug in ITB. However if you encounter a 500, send the request data to the Opus support, so we can check what is the problem. Needed information: Request URL including parameters, which account was used, the request body (if there exists one) and the error message.
- 503:** Unable to contact the backend service. This one means that the database calls cannot reach the onpremise-service. When running into a 503, this will by necessity affect all calls to the backend, such as patients trying to book a time. However listing timeslots is not affected by this.

V1

Booking

- Get: /api/v1/booking?year={year}&month={month}&day={day}&extradigits={extradigits}**
 Required: Year, Month, Day, Extradigits
 Optional: None
 Body: None
Collects all booking data for a specific patient
- Post: /api/v1/booking**
 Required: [Patient] [PersonalNumber] [TimeSlot]
 Optional: None
 Body: Yes - example to the right
Creates a booking
- Put: /api/v1/booking?bookingID={bookingID}&clinicID={clinicID}**
 Required: BookingID, ClinicID, [PersonalNumber]
 Optional: None
 Body: Yes - example to the right
Updates a booking

```
{ "Patient": {
  "FirstName": "krister",
  "LastName": "nässlind",
  "PostalCode": "22222",
  "Email": "star@dental.com",
  "MobilePhoneNumber":
    "+46705506228",

  "PersonalNumber": {
    "Year": 1975,
    "Month": 2,
    "Day": 28,
    "ExtraDigits": "3175"
  },

  "TimeSlot": {
    "Start": "2017-02-03T08:00:00",
    "End": "2017-02-03T08:30:00",
    "ClinicID": "17-a9ffb031-417f-
4169-810a-cfd0d00adc7d",
    "ClinicianID": 3,
    "TreatmentID": 2
  }
}
```

Clinic

- Get: /api/v1/clinic?clinicianID={clinicianID}&treatmentID={treatmentID}&onlyWithFreeTimes={onlyWithFreeTimes}**
 Required: None
 Optional: ClinicianID, TreatmentID, OnlyWithFreeTimes (default true)
 Body: None
Gathers all clinics
Gathers all clinics for a provider
Gathers all clinics for a booking model
Gathers all clinics for a provider and a booking model
Repeats the above with false as value for onlyWithFreeTimes
- Get: api/v1/clinic/{clinicID}**
 Required: ClinicID
 Optional: None
 Body: None
Gathers a specific clinic

Clinician

- **Get: /api/v1/clinician?clinicID={clinicID}&treatmentID={treatmentID}&onlyWithFreeTimes={onlyWithFreeTimes}**
 Required: None
 Optional: ClinicID, TreatmentID, OnlyWithFreeTimes (default true)
 Body: None
Gathers all providers
Gathers all providers for a clinic
Gathers all providers for a booking model
Gathers all providers for a clinic and a booking model
Repeats the above with false as value for onlyWithFreeTimes

Patient

- **Get: /api/v1/patient?year={year}&month={month}&day={day}&extradigits={extradigits}**
 Required: Year, Month, Day, Extradigits
 Optional: None
 Body: None
Gathers a patient
Gathers a patient without valid API-key
- **Post: /api/v1/patient?clinicID={clinicID}&clinicianID={clinicianID}**
 Required: ClinicID, ClinicianID, [patient]
 Optional: None
 Body: Yes - example to the right
Creates a patient

```
{
  "FirstName": "Fredrik",
  "LastName": "Lindfors",
  "PostalCode": "12345",
  "Email": "mail@mail.com",
  "MobilePhoneNumber":
    "0701223456",
  "PersonalNumber": {
    "Year": 1961,
    "Month": 7,
    "Day": 14,
    "ExtraDigits": 1234
  }
}
```

Timeslot

- **Get: /api/v1/timeslot?year={year}&month={month}&delay={delay}&clinicID={clinicID}&clinicianID={clinicianID}&treatmentID={treatmentID}**
 Required: Year, Month
 Optional: ClinicID, ClinicianID, Treatment ID, Delay
 Body: None
Gathers timeslots with only year and month specified
Gathers timeslots for a clinic
Gathers timeslots for a provider
Gathers timeslots for a booking model
Gathers timeslots for a clinic and a provider
Gathers timeslots for a clinic and a booking model
Gathers timeslots for a provider and a booking model
Repeat the above with a value for delay

- **Get:/api/v1/timeslot?startingFromDateTime={startingFromDateTime}&delay={delay}&treatmentID={treatmentID}&clinicID={clinicID}&clinicianID={clinicianID}**
 Required: startingFromDateTime, TreatmentID
 Optional: ClinicID, ClinicianID, Delay
 Body: None
Gathers timeslots with only startingFromDateTime and TreatmentID specified
Gathers timeslots for a clinic
Gathers timeslots for a provider
Gathers timeslots for a clinic and a provider
Repeat the above with a value for Delay

Treatment

- **Get:/api/v1/treatment?clinicID={clinicID}&clinicianID={clinicianID}**
 Required: None
 Optional: ClinicID, ClinicianID
 Body: None
Gathers treatments without parameters
Gathers treatments for a clinic
Gathers treatments for a provider
Gathers treatments for a clinic and a provider