

Schedule& Online booking API Alpaca ERP.

Version 1.6 (03/2025)

General description

The API is a set of methods for retrieving and transmitting information to Alpaca ERP.

The API allows you to retrieve information about doctors who offer online scheduling, their working hours, available appointment slots, and schedule a patient into an available slot. Interaction with the API is accomplished via the HTTP 1.1 protocol and GET and POST requests.

Authentication

The following data must be passed in the request headers:

Authorization Bearer <token>

token - the token value taken from the ERP user profile on whose behalf the API requests will be made.

The following headers must also be passed:

Accept: application/json Content-Type: application/json

The API always responds with JSON objects.

If the operation is successful, the response always contains {ok: true}, along with other information.

If an error occurs during execution, {ok: false, error: <description>}

<description> - error description

Setting up Alpaca ERP

To work with this API, you must configure the following Alpaca ERP settings:

1. In the "Online scheduling settings" section of the settings, enable "Online scheduling Enabled" and specify "Slot depth" (the number of days from the current day to upload).
2. In the Employees directory, for employees whose schedules should be uploaded to the API, check the "To site" flag in the Services section for the services that will be uploaded to the site.
3. In the Employees directory, for employees whose schedules should be uploaded to the API, check the "Online booking" flag in the Services section for the services that will be used for online booking. This flag is only available for services with the "To site" flag.
4. In the Employees directory, for employees whose schedules should be uploaded to the API, select one service from those marked with the "Online booking" flag in the services table. This service will be the default. To do this, check the "Default" flag. There is always one default service.
5. In the "Touch types" directory, check the "Online booking" flag for the Touch type, which will be set upon booking.

Methods

1. **GET <alpaca url>/api/schedule/employees** - Getting a list of doctors available for online booking

The method returns an employees object containing information about doctors available for online booking and their services, which can be uploaded to the website. The `online_booking` flag in the service indicates the service's availability for online booking.

Sample answer

```
{
  "ok": true,
  "employees": [
    {
      "id": 7,
      "title": "Dr. Vitaly Finkelstein",
      "description": "ניירולוג מומחה וסגן מנהל מחלקה ניירולוגית במרכז הרפואי וולפסון.\nמומחה ומחלות ניירולוגיות אחרות 'בדיקות אי אמ ג, מגרנות, כאבי ראש, שרירי-למחלות עצב",
      "cfr": "Neurology",
      "locales": {
        "title": {
          "en": "Dr. Vitaly Finkelstein", "he": ""
        }
      },
      "organization": "Tel Aviv Medical Center - TAMC LTD",
      "position": null,
      "services": [
        {
          "title": "Neurologist consultation",
          "id": 30,
          "duration": 60,
          "online_booking": false,
          "is_default": true,
          "locales": {
            "title": {
              "en": "Neurologist consultation", "he": ""
            },
            "description": {
              "en": "",
              "he": ""
            }
          }
        }
      ],
    },
    {
      "id": 75,
      "title": "Test employee",
      "description": "Doc test",
      "cfr": null,
      "locales": {
        "title": {
          "en": "Test employee",
          "he": ""
        }
      }
    }
  ]
}
```

```
    },
    "organization": "Tel Aviv Medical Center - TAMC LTD",
    "position": null,
    "services": [
      {
        "title": "CBC+Chemistry+electrolytes",
        "id": 270,
        "duration": null,
        "online_booking": false,
        "is_default": false,
        "locales": {
          "title": {
            "en": "CBC+Chemistry+electrolytes",
            "he": ""
          },
          "description": {
            "en": "",
            "he": ""
          }
        }
      },
    ]
  }
]
}
```

In case of error

```
{
  "ok": false,
  "employees": [],
  "error": "Some Error Description"
}
```

2. GET <alpaca url>/api/schedule/employees/<id> - Retrieving doctor data by ID from Alpaca ERP.

The method returns an employee object containing information about the doctor and their services available for uploading to the website, as well as their types and prices. The `online_booking` flag in the service indicates the service's availability for online booking.

Sample answer

```
{
  "ok": true,
  "employee": {
    "id": 7,
    "title": "Dr. Vitaly Finkelstein",
    "description": "נירולוג מומחה וסגן מנהל מחלקה נירולוגית במרכז הרפואי וולפסון מומחה  

    ומחלות נירולוגיות אחרות ' בדיקות אי אמ ג , מגרנות , כאבי ראש , שריר -למחלות עצב ",
    "cfr": "Neurology",
    "locales": {
      "title": {
        "en": "Dr. Vitaly Finkelstein", "he": ""
      }
    },
    "organization": "Tel Aviv Medical Center - TAMC LTD",
    "position": null,
    "services": [
      {
        "title": "Neurologist consultation", "id": 30,
        "duration": 60,
        "prices": [
          {
            "title": "Israeli citizens",
            "amount": 1450
          },
          {
            "title": "Agents",
            "amount": 1350
          },
          {
            "title": "Raphael hospital",
            "amount": 1150
          },
          {
            "title": "Herzliya medical center - HMC",
            "amount": 1000
          },
          {
            "title": "Tourist",
            "amount": 1800
          }
        ]
      },
      {
        "online_booking": true,
        "is_default": true,
        "locale": {
          "title": {
            "en": "Neurologist consultation", "he": ""
          },
          "description": {
```

```

        "en": "",
        "he": ""
    }
}

},
{
    "title": "Neurology consultation + EMG upper & lower limbs", "id":
    36,
    "duration": 90,
    "prices": [
        {
            "title": "Israeli citizens",
            "amount": 3450
        },
        {
            "title": "Agents",
            "amount": 3210
        },
        {
            "title": "Tourist",
            "amount": 4310
        }
    ],
    "online_booking": false,
    "is_default": false,
    "locale": {
        "title": {
            "en": "Neurology consultation + EMG upper & lower
limbs",
            "he": ""
        },
        "description": {
            "en": "",
            "he": ""
        }
    }
}
]
}
}

```

In case of the error

```

{
    "ok": false,
    "employee": [],
    "error": "Some Error Description"
}

```

3. **GET <alpaca url>/api/schedule/employees/<id>/worktime** - Getting the doctor's working hours, where id is the doctor's identifier (taking into account availability in the current schedule and custom statuses).

The method returns a work_time object containing the specified doctor's working hours for the period specified in the Online scheduling settings, in the Slot depth parameter.

Sample answer

```
{
  "ok": true,
  "work_time": [
    {
      "id": 1291,
      "title": "16:00-20:00 24.03.2024",
      "date": "2024-03-24 ",
      "time_start": "16:00",
      "time_end": "20:00"
    },
    {
      "id": 1292,
      "title": "16:00-21:00 27.03.2024",
      "date": "2024-03-27 ",
      "time_start": "16:00",
      "time_end": "21:00"
    },
    {
      "id": 6176,
      "title": "08:00-23:00 March 28, 2024",
      "date": "2024-03-28 ",
      "time_start": "08:00",
      "time_end": "23:00"
    },
    {
      "id": 6177,
      "title": "08:00-23:00 March 29, 2024",
      "date": "2024-03-29 ",
      "time_start": "08:00",
      "time_end": "23:00"
    },
    {
      "id": 6188,
      "title": "16:00-20:00 31.03.2024",
      "date": "2024-03-31 ",
      "time_start": "16:00",
      "time_end": "20:00"
    }
  ]
}
```

In case of errors

```
{
  "ok": false,
  "work_time": [],
  "error": "Undefined variable $endDate"
}
```

4. **GET <alpaca url>/api/schedule/employees/<id>/slots/<service?>** - Getting doctor slots, where id is the doctor's identifier (taking into account availability in the current schedule, taking into account custom statuses), and service is an optional parameter that is the identifier of the service for which the schedule should be returned. By default, a schedule is returned for the service marked with the "default" checkbox in the Employees section of the directory. The response returns an array of schedule objects, each of which contains a slots object with the slots available for writing on a specific date. If the response does not contain any schedule objects or there are no slots in the schedule, this means either there is no schedule for the specified date, or everything is already booked. The id field in slots is used in p5 for writing to the schedule. The response depth corresponds to the Online scheduling settings: Slot depth setting.

Sample answer

```
{
  "ok": true,
  "schedule": [
    {
      "id": 1291,
      "title": "16:00-20:00 24.03.2024",
      "date": "2024-03-24 ",
      "slot_duration": 60,
      "slots": [
        {
          "id": "1711288800- 60",
          "start": "16:00",
          "end": "17:00"
        },
        {
          "id": "1711292400- 60",
          "start": "17:00",
          "end": "18:00"
        },
        {
          "id": "1711299600- 60",
          "start": "19:00",
          "end": "8:00 PM"
        }
      ]
    },
    {
      "id": 1292,
      "title": "16:00-21:00 27.03.2024",
      "date": "2024-03-27 ",
      "slot_duration": 60,
      "slots": [{
        "id": "1711562400- 60",
        "start": "20:00",
        "end": "21:00"
      }
    ]
  }
}
```

In case of errors

```
{
  "ok": false,
  "schedule": [],
  "error": "Undefined variable $vSlots» }
```

5. **POST schedule/employees/<employee_id>/slots/<slot_id>/make_appointment** - recording in the schedule based on the doctor's data (id), slot identifier from the method in p3, service identifier from the method in p1 and patient data with automatic creation of a touch and internal notification of active ERP users.

In **form-data expected next data:**

patient_phone – patient phone number **mandatory field**

patient_name - patient name **mandatory field**

patient_email – email of patient (optional)

birthdate - date birth patient in format YYYY-MM-DD (optional)

services[] – array of identifiers of services for the doctor, on which recording will be created (optional) If Nothing indicated, that recording will be created on one service by default

comment - comment to records (optional)

passport — passport patient (optional)

This method performs **strict data validation and schedule verification**. This means it won't schedule an appointment for a non-existent or occupied slot, a day when the doctor isn't working, or a day when the doctor is on vacation, for example.

During the method's execution, a client will be searched for based on the passed parameters. If no client is found, a new client will be created.

During the execution, a touch with the appropriate type and result will be created. If the required touch type and/or touch result are not available in the system or in the corresponding reference books, an error message will be returned with the appropriate wording.

Sample answer

```
{
  "ok": true,
  "slot_id": slot id
}
```

In case of errors

```
{
  "ok": false,
  "error": "Undefined variable $duration"
}
```

6. **POST schedule/employees/<employee_id>/slots/<slot_id>/make_appointment_advanced** - Schedule entry based on doctor data (ID), slot ID from method in p3, service ID from method in p1, and patient data with automatic touch creation and internal notification of active ERP users.

In form-data the next data is expected:

patient_phone - **mandatory field**

patient_name - **mandatory field**

patient_email - (optional)

price_type_id – price type identifier (will recorded in the counterparty)

birthdate – date of birth patient in format YYYY-MM-DD (optional)

services[] - An array of identifiers of the doctor's services for which a record will be created (optional field). If nothing is specified, a record will be created for one service by default.

comment - comment to records (optional)

passport — passport patient (optional)

This method performs **strict data validation and schedule verification**. This means it won't schedule an appointment for a non-existent or occupied slot, a day when the doctor isn't working, or a day when the doctor is on vacation, for example.

During the method's execution, a client will be searched for based on the passed parameters. If no client is found, a new client will be created.

During the execution, a touch with the appropriate type and result will be created. If the required touch type and/or touch result are not available in the system or in the corresponding reference books, an error message will be returned with the appropriate wording.

Sample answer

```
{
  "ok": true,
  "slot_id": slot identifier
}
```

In case of errors

```
{
  "ok": false,
  "error": "Undefined variable $duration"
}
```

7. **GET schedule/employees-all** - Get a complete list of doctors with all services and prices. The "Default" price type is selected. The selection includes doctors with the following flags: Use in scheduling, Doctor Status, and Appointment Status set to Active.

Sample answer

```
{
  "ok": true,
  "employees": [
    {
      "id": 15,
      "title": "Avdeychik Svetlana Andreevna ",
      "description": " Head genetic department , Doctor – geneticist , "cfr": "
      Consultations geneticist ",
      "locales": {
        "title": {
          "en": "Avdeichik Svetlana Yurievna",
          "he": ""
        }
      },
      "organization": "Clinic",
      "position": " Doctor ",
      "services": [
        {
          "title": " Consultation genetics ",
          "id": 53,
          "duration": 60,
          "online_booking": false,
          "is_default": true,
          "price": 1500,
          "locale": {
            "title": {
              "en": " Consultation genetics ",
              "he": ""
            },
            "description": {
              "en": "",
              "he": ""
            }
          }
        }
      ]
    }
  ]
}
```

In case of errors

```
{
  "ok": false,
  "error": "< text errors >"
}
```

8. **GET schedule/slots/{service}** - Obtaining available time slots for recording for a specific service (service is the service identifier). The response is grouped by doctors who provide the service specified in the request. The response returns an array of employees objects, each of which contains a slots object with the available slots for recording on a specific date. If the response does not contain any slots objects or if the slots object does not contain child slots, this means either there is no schedule for the specified date or all slots are already booked. The id field in employees->slots->slots is used in p5 to write to the schedule. The response depth corresponds to the Online scheduling settings: Slot depth setting.

Sample answer

```
{
  "ok": true,
  "employees": [
    {
      "employee": {
        "id": 44,
        "title": " Procedure cabinet ",
        "description": null,
        "cfr": null,
        "organization": IMC Main",
        "position": null
      },
      "slots": [
        {
          "id": 4584,
          "title": "08:30-18:00 July 29, 2024",
          "date": "2024-07-29 ",
          "slot_duration": 15,
          "slots": [
            {
              "id": "1722257100- 15",
              "start": "15:45",
              "end": 16:00
            }
          ]
        },
        {
          "id": 4585,
          "title": "08:30-18:00 July 30, 2024",
          "date": "2024-07-30 ",
          "slot_duration": 15,
          "slots": [
            {
              "id": "1722317400- 15",
              "start": "08:30",
              "end": 08:45
            }
          ]
        }
      ]
    }
  ]
}
```

9. POST **schedule/slots/{slot}/cancel** - Cancel a record by slot ID from the `make_appointment` function (p5, p6). The method performs all record checks similar to the same action in ERP—the presence of payment, medical document, etc. Upon successful cancellation, it triggers the appropriate events and notifications.

In **form-data** the following data is expected:

reason - cancellation reason identifier from the corresponding "Cancellation reasons" directory - **mandatory field** .

Sample answer

```
{
  "ok": true,
}
```

IN case mistakes

```
{
  "ok": false,
  "error": "< text errors >"
}
```