

campingdata

Last updated by | morten.tranholm.jensen | 9. aug. 2024 at 09.03 CEST

Camping site Booking Data Schema

The purpose of this document is to define a data schema for camping booking data. The schema definition distinguishes between required and optional fields. Collected data will be exposed on Momenttum, the national tourism data platform. Data is combined with multiple data sources to bring value to actors across the tourism landscape. The data schemas are targeted booking platforms that manage data from different camping sites.

Authentication

Data from the booking platforms are available through an external API. Access to the api is typically managed through an authentication token. Getting data from a specific camping site can be handled in different ways. One method is to call a specific campingsites endpoint that lists all sites the token can access. Using a clientid the booking endpoint can subsequently be called. Another approach is to call the bookings endpoint directly, which in turn returns booking records for all sites the token can access. A third method is to set a token per camping site. However, the third approach required more administration for the booking platform.

Onboarding camping sites

In order to get access to a camping sites data through the external API the camping site has to accept sharing their data. The acceptance can either happen through a platform, ticking a checkbox accepting sharing data or through an email.

Endpoints

The possible endpoints exposed through the external api are listed below. The campinsites endpoint expose a list of sites the tourism platform can access. The bookingsatistics endpoint return aggregated booking data per day. This endpoint was originally created for Danmarks Statistik. The bookingtransactions endpoint returns more granular data about each booking. The bookingstacticics endpoint is listed as optional, but information about availability and permanent residents are important.

List of endpoints

Method	Request	Required/optional	Description
Get	campingsites	optional	Lists campingsites the tourism platform can access. A campingsite id is used to query the bookign endpoing and return data for that site only. The endpoint also lists campingsite metadata.
Get	bookingstatistics	optional*	Returns aggregated bookign data per day, rentaltype and nationality. Also returns availability and statistics on permanent residents
Get	required	bookingtransactions	Returns detailed daily transactions including bookingdate, type, nationality.

Campingsites

The campingsites endpoint returns campinsiteid's of the sites the the tourist platform can access. The endpoint could also include campingsite metadata including geo-codes, star rating etc. The campingsiteid is subsequently used to query the bookings endpoint.

GET `https://<apiname>/<partnerid>/campingsites`



```
{
  "campingsites": [
    {
      "campingsiteid": "",
      "address": "",
      "starrating": "",
      ...
    }
  ]
}
```



Bookingstatistics

The ookingstatistics endpoint will return the actual bookings. The endpoint is either called with a specific campingsiteid to return data for the campingsite or without to return bookings for all sites the partner can access. The API is called with the following parameters.

Name	API Documentation
token	api partner bearer token.
campingsiteid	Camping site identifier.
fromDate	Return booking transactions from a specific date. The date is included in the interval
endDate	Return booking transaction until or equal to the specified date.

Endpoint example with and without campingsiteid. The campingsiteid can also be parsed as a querystring parameter.

```
GET https://<apiname>/<partnerid>/<campingsiteid>/Bookingstatistics
```



```
GET https://<apiname>/<partnerid>/Bookingstatistics
```



Response

The bookings api returns the following response. The response returns aggregated bookings per date, nationality and rental type. The endpoint also list capacity over time and statistics on permanent residents.

```
{
  "bookings": [
    {
      "bookingdate": "",
      "rentalType": "",
      "unitsForRent": "",
      "nationality": "",
      "bookedUnits": "",
      "bookedPersons": "",
      "bookedUnitsPermanentResidents": "",
      "bookedPersonsPermanentResidents": ""
    }
  ],
  "campingsiteid": "",
  "address": "",
  "extractdate": ""
}
```



Below is a detailed description of the fields.

Variabel	API	Type	Beskrivelse
Campingplads ID	campingsiteid	Numerisk	Et nummer eller evt. navn, der identificerer, hvilken campingplads
Udtræksdato	extractdate	Dato	Datoen for, hvornår udtrækket er lavet
Dato	bookingdate	Dato	Datoen, som disse bookinger vedrører.
Enhedstype	rentalType	Text/numerisk	Variabel, der angiver hvilken type enhed er udlejet (Plads eller hytte)
Antal enheder	unitsForRent	Numerisk	Antallet af enheder til rådighed af denne type
Nationalitet	nationality	Text	Nationalitet af bookingerne. Fx danske bookinger. Mens fx de tyske kommer i næste række. Angivet som trecifret ISO-kode.
Udlejede enheder	bookedUnits	Numerisk	Antal udlejede enheder til den pågældende nationalitet på den pågældende dato. Indeholder ikke fastliggere
Antal personer	bookedPersons	Numerisk	Samlet antal personer i de udlejede enheder. Dette er naturligvis kun muligt, hvis man angiver antallet af personer på forhånd, men regner med, at dette angives ved booking. Indeholder ikke fastliggere
Udlejede enheder til fastliggere	bookedUnitsPermanentResidents	Numerisk	Antallet af enheder udlejet til fastliggere på den pågældende dato fra den pågældende nationalitet.


Variabel	API	Type	Beskrivelse
Antal personer i fastliggerenheder	bookedPersonsPermanentResidents	Numerisk	Om muligt angivelse af hvor mange personer, der hører til fastliggerenhederne på den pågældende dato fra den pågældende nationalitet. Jeg ved ikke


bookingtransactions

The bookingtransactions endpoint will return detailed booking information. The endpoint is either called with a specific campingsiteid to return data for the campingsite or without to return bookings for all sites the partner can access. The API is called with the following parameters.

Name	API Documentation
token	api partner bearer token.
campingsiteid	Camping site identifier.
fromDate	Return booking transactions from a specific date. The date is included in the interval
endDate	Return booking transaction until or equal to the specified date.

Endpoint example with and without campingsiteid. The campingsiteid can also be parsed as a querystring parameter.

GET https://<apiname>/<partnerid>/<campingsiteid>/bookingtransactions 

GET https://<apiname>/<partnerid>/bookingtransactions 

Response

The bookings api returns the following response. The response returns booking transactions. The campingsite metadata is only returned in the bookings endpoint if no campingsites endpoint is exposed.



```

{
  "bookings":[
    {
      "bookingid":"","
      "isPermanent": "",
      "bookingdate":"","
      "arrivaldate":"","
      "departuredate":"","
      "bookingStatus":"","
      "rentalType":"","
      "bookedPersons": "",
      "customer":{"
        "nationality": "",
        "postalcode": ""
      }},
      "guests":[{"
        "guesttype": "adult | child | infant | pet",
        "number": 1,
        "arrivaldate": "",
        "departuredate": ""
      }],
      "unitnumber":"","
      "bookingchannel":"","
      "bookingprice":"","
      "consumption":[
        {
          "type": "Power",
          "unit": "kWh",
          "quantity": 00
        }
      ]
    }
  ],
  "campingsiteid":"","
  "geocodes": ""
}

```



```

{
  "bookings":[
    {
      "bookingid":"","
      "bookingdate":"","
      "arrivaldate":"","
      "departuredate":"","
      "rentalType":"","
      "bookedPersons": "",
      "customer":{"
        "nationality": "",
        "postalcode": "",
        "adults": 0,
        "children":0,
        "infants":0,
        "pets":0
      }},
      "unitnumber":"","
      "bookingchannel":"","
      "bookingprice":"","
      "consumption":[
        {
          "type": "Power",
          "unit": "kWh",
          "quantity": 00
        }
      ]
    }
  ],
  "campingsiteid":"","
  "geocodes": ""
}

```

Below is a detailed description of the fields.

Parameter	Type	Required/optional	Description
bookingid	string	required	bookingidentified. Unique value per booking
bookingdate	date	required	When is the booking created. Date of the actual booking
arrivaldate	date	required	Arrival date, first day of stay
departuredate	date	required	Departure date, last day of stay
rentalType	string	required	Type of rentalunit, i.e Hytte, campingspot, telt
bookedPersons	int	required	Total number of people.
nationality	string	required	Nationality of the guests. 3 digit ISO code
postalcode	string	required	Postal code of the guests
adults	int	optional	Number of adults
children	string	optional	Postal code of the guests
infants	string	optional	Postal code of the guests
pets	string	optional	Postal code of the guests
unitnumber	string	required	Identifies of the booking
bookingchannel	string	optional	Online booking, walk in, phone etc
bookingprice	float	optional	Price for the booking
consumption	array	optional	If possible include consumption metrics for the stay. Could include electricity and water consumption. Array will be updated after the stay.