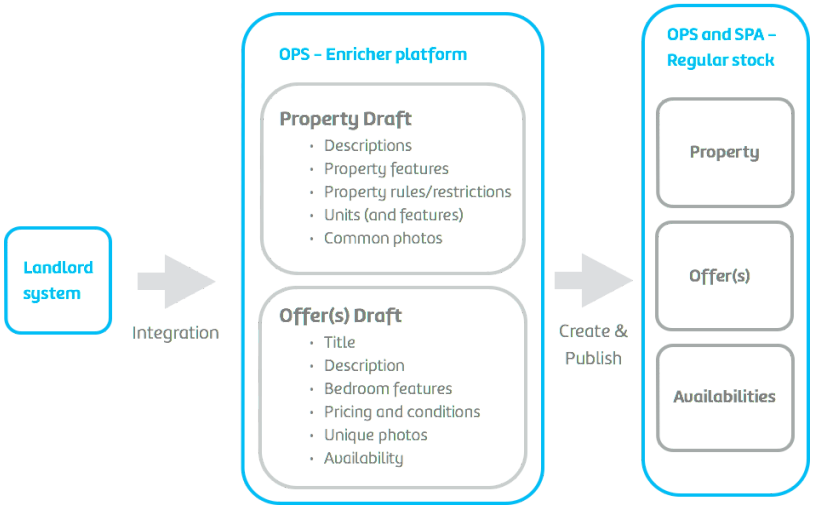
# Introduction


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# How to integrate with Uniplaces

Uniplaces allows partners across Europe to integrate their listings directly with our platform, enabling the update of prices, availabilities and even new offers, all in real time, ready to be booked by millions of students across the world. By connecting directly with landlord's system (or a data file format updated based on the landlord's system) we can link with our platform and update in real time.




*Example of an integration process*

### Our recommendations to integrate

When selecting partners, one of the most important criteria for an integration to work is a dynamic data feed, either updated automatically or as often as possible. Our most successful integrations update their information in real-time, syncing with our platform immediately and always providing the most accurate information.

Uniplaces also recommends having technical capabilities internally, making the process smoother and easier. Although we make the integration flexible through our own technology, there are minimum requirements which sometimes may need modifications on the provided feed.

Finally, we recommend using a JSON file format, choosing a "Full Integration" and providing your full stock in your data file. **This is our preferred setup**. See more about "data formats", "integration types" and "stock types" below.

## How we get the data

In order for Uniplaces to update their information, we need to pull the data from your data feed. This data feed should be dynamic and updated regularly with the latest information, especially regarding availabilities (the next available date for each listing). Regarding data file formats, we support multiple options, though we recommend a JSON file.

### 1. JSON, CSV or XML

In case you are able to provide a JSON file (our preferred option) with the required fields to integrate, simply share the URL where this file is accessible and the respective credentials for our team to fetch the data. In case you have an API, we are also able to integrate.

If you don't have a JSON file but want to integrate this way, you need to structure your information and publish a JSON file into an accessible URL, or create an API. This way our technology will be able to access and fetch the data.

We also support integrations via CSV. By providing the CSV URL and the respective credentials, our team can fetch the data.

In case you have an XML feed with the required fields, simply provide the URL where this file is accessible and the respective credentials for our team to fetch the data.

#### *Example of JSON data structure output:*

Both JSON or CSV integrations should output a similar structure (field names are not required to match, since we map your structure accordingly):

```
[
  {
     "property": "property_unique_id",
     "location": {
        "street_name": "Warschaeur Straße",
        "street_number": "6",
        "postal_code": "10355",
        "city": "Berlin",
        "country": "DE",
        "latitude": "52.514922",
        "longitude": "13.453092"
      },
 "floorplan":
 "url_of_the_floorplan_image.jpg",
      "bedrooms":[
      {
        "reference_id": "room_unique_id",
        "availability": {
```

```
        "available_from": "2018-02-01"
        OR
        “blocked_periods:[{from: 2019-01-01},{to: 2019-10-10}]”
      },
      "pricing": {
        "currency_code": "EUR",
        "rents": "520",

      "size": {
        "unit": "sqm",
        "value": "11.13"
      },
      "description": {
        "es": "...",
        "en": "..."
      },
      "room_images": [
        "url_of_room_image.jpg"
      ],

    }
},
    {
      "reference_id": "unique_room_id",
      "availability": {
        "available_from": "2018-07-01"
        OR
        “blocked_periods:[{from: 2019-01-01},{to: 2019-10-10}]”
      },
      "pricing": {
        "currency_code": "EUR",
        "rents": "520",
      },
      "size": {
        "unit": "sqm",
        "value": "11.76"
      },
       "description": {
        "es": "...",
        "en": "..."
      },
      "images": [
        "url_of_room_image.jpg"
      ],

    },
 ],
"property-photos":{
    "images":[...]
},

"kitchen-photos":{
    "images":[...]
},
"living-room-photos":{
    "images":[...]},
}
```

### 2. I want to integrate but I don’t support these formats

In case you don’t support any of the previous formats, you can still integrate via Google Spreadsheets. It’s important to mention that, although not recommended, in order to make this integration possible you are required to check the following fields:

- You use (or update) the Google Spreadsheet in a recurring basis (ideally it’s your platform to manage your listings or properties)
- You don’t change the format of the Google Spreadsheet, as this can break the integration.

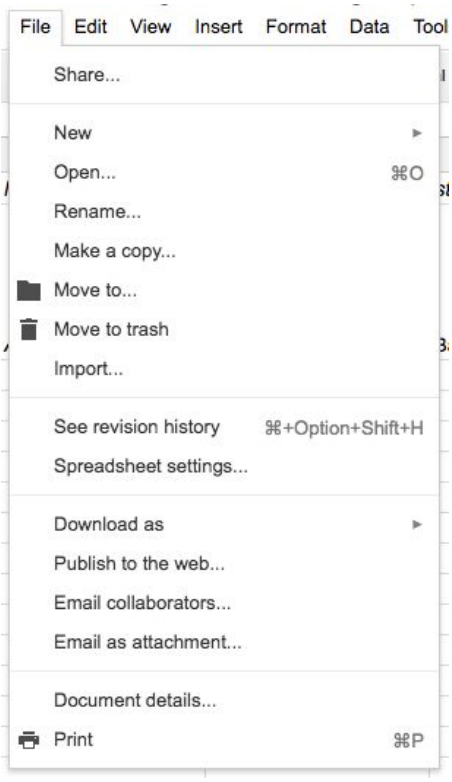
If you check both requirements, below you can find the steps to prepare the data file:

1) Have your Google Spreadsheet following our required minimum fields in order for the integration to work:

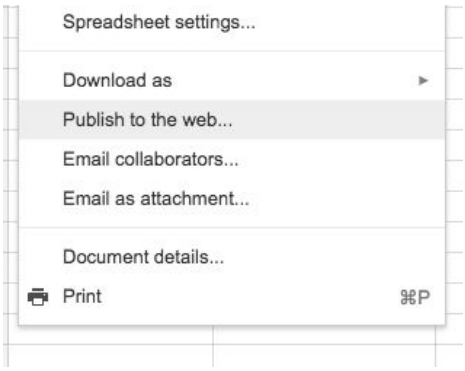
| listing_reference_id | property_reference_id | street_name | street_number | postal_code | city | available_from | is_available | rent.currency | rent.value | description | images | updated_at |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB-01-196-05 | AB-01-196 | Baker Street | 221B | SE1 9PD | London | 2017-02-16T00:00:00+0000 | TRUE | EUR | 500 | Amazing sunny bedroom with balcony and private bathroom | https://yourwebsite.com/upload/images/objects/room/id_extrasmall.jpg | 2017-02-16T00:00:00+0000 |

*Example of a listing with the respective required fields*

2) Publish the sheet in “File” > “Publish to the web…”

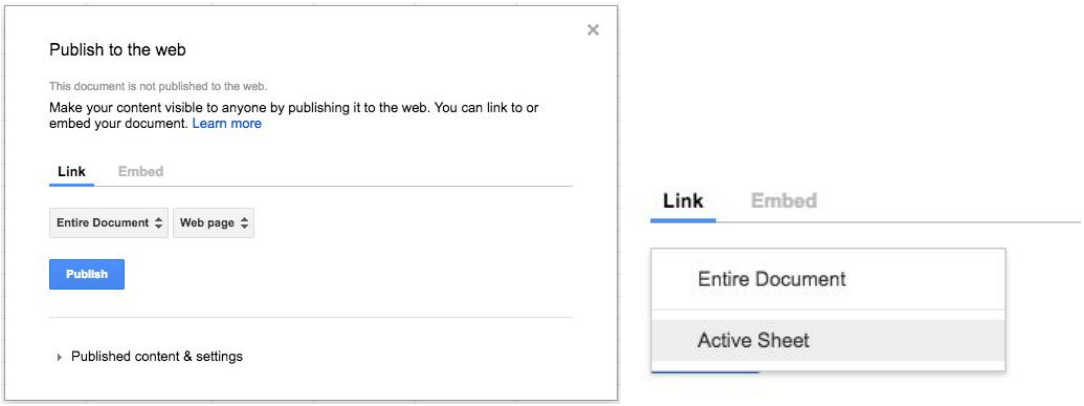



*Open the “File” menu*

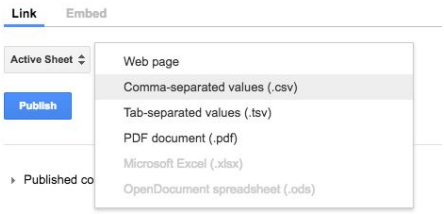



*Select “Publish to the web...” option*

3) Click on “Entire Document”, select the “Sheet” where the information is updated, and change from “Web Page” to “Comma-separated values (.csv)”

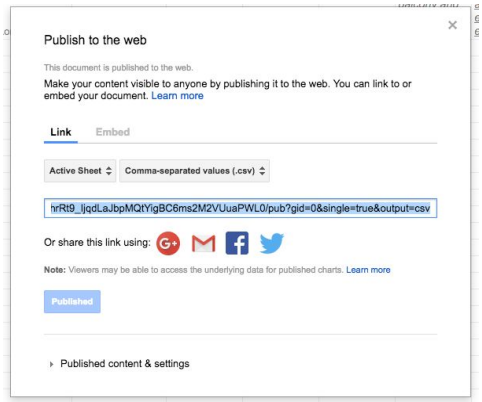



*Click on “Entire Document” and select the sheet with the information*




*Click on “Web Page” and select “Comma-separated values (.csv)*

4) Click “Publish” to access the CSV URL




*By clicking publish you will access your CSV URL, required to fetch the data*

Whenever you update the information on the sheet it automatically republishes to the web and we fetch the feed when our integrations run. Keep in mind that you can’t change your

Spreadsheet structure without warning our team. If you change the structure, the integration will likely stop work.

You can always check this support link from Google on how to publish spreadsheet information to the web: *https://support.google.com/docs/answer/37579?hl=en*

## Integration types

Uniplaces supports three types of integrations:

### *a. Availabilities and Price Integration*

The “Availabilities and Price Integration” allows to immediately update the next available date and restricted periods in the calendar, as well as the price and deposit, directly in our platform. This way, whenever you process a reservation or a cancellation, both through Uniplaces or any other channel, we update on our side instantly. We also currently support altering both the monthly rent and deposit values (rent deposits paid upfront to cover for early departures or damages) at any moment. These changes will only reflect for bookings processed posterior to the change.

### *b. Full Integration*

“Full Integration”, our recommended format, integrates both availabilities and price updates , and enables the automatic addition of new listings to our platform, at any moment. “Full Integration” is especially recommended if you are not able to provide your full stock from start, or believe you will increase the number of listings in our platform in the near future.

In order to implement a “Full Integration”, our technology needs to know whether your data file will contain your full stock, or only part of it:

| ***Type of stock*** | ***Description*** |
|---|---|
| *Full Stock (Recommended)* | *We consider full stock when your data file contains all listings available to be integrated, independently if they are available or unavailable.* |
| *Partial Stock* | *We consider partial stock when your data file contains only* |

| | |
|---|---|
| | *subset of the listings. This is common when your feed only contains the available listings, or you are only integrating a specific number of listings, but wish to increase in the future.* |

## Minimum required data fields

In order to proceed with an integration, some fields are required to exist in your data file. Without this information, we are not able to publish and update your listings. The required fields also vary, depending on your preferred type of integration.

Keep in mind that your field names are not required to match the ones below, as we do a mapping of your data file structure and adjust accordingly, but the type is required to match the table below. The example is simply a demonstration, and your fields may vary.

### Availabilities and Price Integration

These are the required fields for a “Availabilities Integration” to successfully work

| ***Field*** | ***Type*** | ***Description*** | ***Example*** |
|---|---|---|---|
| *listing_reference_id* | *STRING* | *Unique ID identifying the listing.* | *AB-01-196-05* |
| ***availabilities*** | | | |
| *available_from* | *DATE* | *Next available date for this listing to be booked by a tenant. It should be a date. If not available, should be null.* | *2017-02-16* |
| *OR* | | | |
| *blocked_periods* | *DATE* | *The blocked period represents the interval between a start date and end date in which the listing is not available.* | *From: 2017-02-16*<br>*To: 2017-08-16* |
| ***pricing*** | | | |
| *currency_code* | *CHAR* | *Monthly rent currency applied.* | *EUR* |
| *rents* | *INT* | *Monthly rent value. The monthly value you will be charging your* | *500* |

| | | | |
|---|---|---|---|
| | | *tenant. This is the value that will be displayed in our platform.* | |
| *(optional) deposit.currency* | *CHAR* | *Deposit currency applied.* | *EUR* |
| *(optional) deposit.value* | *INT* | *Deposit charged to the tenant, either on the booking moment or on the move in* | *500* |

## Full Integration

These are the required fields for a “Full Integration” to successfully work

| ***Field*** | ***Type*** | ***Description*** | ***Example*** |
|---|---|---|---|
| *reference_id* | *INT* | *Unique ID identifying the listing. Uniplaces requires a unique identification code for each unit that can be individually booked.* | *AB-01-196-05* |
| ***location*** | | | |
| *street_name* | *STRING* | *Full street name excluding number, postal code and city* | *Baker Street* |
| *street_number* | *STRING* | *Street number, including any specific characters like letters* | *221B* |
| *postal_code* | *STRING* | *Postal code for the street mentioned previously* | *SE1 9PD* |
| *city* | *STRING* | *City of the listing* | *London* |
| ***availabilities*** | | | |
| *available_from* | *DATE* | *Next available date for this listing to be booked by a tenant. It should be a date. If not available, should be null.* | *2017-02-16* |
| *OR* | | | |
| *blocked_periods* | *DATE* | *The blocked period represents the interval between a start date and end date in which the listing is not available.* | *From: 2017-02-16 To: 2017-08-16* |
| ***pricing*** | | | |
| *currency_code* | *CHAR* | *Monthly rent currency applied.* | *EUR* |

| | | | |
|---|---|---|---|
| *rents* | *INT* | *Monthly rent value. The monthly value you will be charging your tenant. This is the value that will be displayed in our platform.* | *500* |
| *deposit.currency* | *CHAR* | *Deposit currency applied.* | *EUR* |
| *deposit.value* | *INT* | *Deposit charged to the tenant, either on the booking moment or on the move in* | *500* |
| ***listing_elements*** | | | |
| *Number of bedrooms* | *INT* | *Number of bedrooms inside of that apartment/house/property* | *3* |
| *description* | *STRING* | *General description for the listing. Ideally each listing will have a unique description* | *Amazing sunny bedroom with balcony and private bathroom* |
| *images* | *STRING* | *Array of URL with all available images. Ideally each object contains different sizes of the same image, extra small, small, medium and large, supporting all types of displays in the platform.* | *https://yourwebsite.com /upload/images/objects/ room/id_extrasmall.jpg* |
| ***update*** | | | |
| *updated_at* | *DATE* | *Last time the listing was updated.* | *2017-02-16T00:00:00+ 0000* |
| *original_listing_url* | | *The URL to the same listing in your website. This helps our team quality control each integration, to make sure we display the exact information.* | *www.yourwebsite/listing _id* |

**IMPORTANT:** On all integrations, it's important to include a URL

## All supported fields

Although we support a large array of fields, here is a list of commonly used ones from other partners (including the required fields).

| Field | Type | Description | Example |
|---|---|---|---|
| *reference_id* | *INT* | *Unique ID identifying the listing. Uniplaces requires a unique identification code for each unit that can be individually booked.* | *AB-01-196-05* |
| *property_reference_id* | *INT* | *Unique ID identifying the property of each listing.* | *AB-01-196* |
| ***location*** | | | |
| *street_name* | *VARCHAR* | *Full street name excluding number, postal code and city* | *Baker Street* |
| *street_number* | *VARCHAR* | *Street number, including any specific characters like letters* | *221B* |
| *postal_code* | *VARCHAR* | *Postal code for the street mentioned previously* | *SE1 9PD* |
| *city* | *STRING* | *City of the listing* | *London* |
| *country* | *STRING* | *Country of the listing. Should be in ISO code.* | *GB* |
| *latitude* | *FLOAT* | *Latitude for the specific street address (including street name, number and postal code)* | *51.523777* |
| *longitude* | *FLOAT* | *Longitude for the specific street address (including street name, number and postal code)* | *-0.1607256* |
| ***availabilities*** | | | |
| *available_from* | *DATE* | *Next available date for this listing to be booked by a tenant. It should be a date. If not available, should be null.* | *2017-02-16* |
| *is_available* | *BOOL* | *Boolean value whether a listing is currently available to be booked, or unavailable to be booked at any moment.* | *true* |
| *blocked_periods* | *DATE* | *The blocked period represents the interval between a start date and end date in which the listing is not available.* | *From: 2017-02-16*<br>*To: 2017-08-16* |
| ***pricing*** | | | |

| | | | |
|---|---|---|---|
| *currency_code* | *CHAR* | *Monthly rent currency applied.* | *EUR* |
| *rents* | *INT* | *Monthly rent value. The monthly value you will be charging your tenant. This is the value that will be displayed in our platform.* | *500* |
| *deposit.currency* | *CHAR* | *Deposit currency applied.* | *EUR* |
| *deposit.value* | *INT* | *Deposit charged to the tenant, either on the booking moment or on the move in* | *500* |
| *deposit_type* | *INT* | *Uniplaces supports both security and holding deposits. Security deposits are paid from students on the move in date directly to the landlord. Holding deposits are paid to Uniplaces during the booking, and transferred to the landlord on the move in date* | *security / holding* |
| *application_fee.currency* | *CHAR* | *Administrative fee or any other fee currency applied.* | *EUR* |
| *application_fee.value* | *INT* | *Administrative fee or any other fee charged to the tenant on move in* | *250* |
| ***size*** | | | |
| *unit* | *CHAR* | *Unit applied to measure size of listing* | *sqm* |
| *value* | *FLOAT* | *Size of the listing in the previously mentioned unit* | *9* |
| ***listing_elements*** | | | |
| *description* | *STRING* | *General description for the listing. Ideally each listing will have a unique description* | *Amazing sunny bedroom with balcony and private bathroom* |
| *images* | *STRING* | *Array of URL with all available images. Ideally each object contains different sizes of the same image, extra small, small, medium and large, supporting all types of displays in the platform.* | *https://yourwebsite.com /upload/images/objects/ room/id_extrasmall.jpg* |
| *groundplans* | *STRING* | *URL with images of blueprint or ground plans for the listing.* | *https://yourwebsite.com /upload/images/objects/* |

| | | | |
|---|---|---|---|
| | | *Same recommendations apply on the images.* | *room/id_extrasmall.jpg* |
| ***update*** | | | |
| *updated_at* | *TIMESTAMP* | *Next available date for this listing to be booked by a tenant. It should be a timestamp.* | *2017-02-16T00:00:00+0000* |
| *original_listing_url* | | *The URL to the same listing in your website. This helps our team quality control each integration, to make sure we display the exact information.* | *www.yourwebsite/listing_id* |

Other fields supported by our integrations:

| ***Field*** | ***Type*** | ***Description*** | ***Example*** |
|---|---|---|---|
| *other_address_elements* | *INT / STRING* | *Other address fields, especially if your city/country requires additional identification for locations* | *Zone 1* |
| *listing_features* | *STRING* | *Our platform supports multiple features. These features can range from common areas, to bedrooms to kitchen features* | *Bed linen, TV, furniture, appliances, washing machine...* |
| *requirements* | *STRING* | *One requirement our listings support is offline ID or passport. If you need a passport or ID from the tenant, we can integrate this requirement.* | *offline_id* |

## Fetching data (when we run the integration)

After a successful integration, we fetch the data on a daily basis. Although we have the flexibility to set a fetch period that suits the updates of our partners, we recommend a two daily updates, especially around availabilities. By default we run our integrations two times a day.

## Updating and going live on our platform

After implementing the integration we start fetching the data on a daily basis. Each integration has a different update process:

a. Availabilities and Price Integration

We update the listings as soon as we fetch the data. If no values have been changed, we do not change either. If we find an updated value in your data file, we update our platform accordingly. Note: This sort of integration only works with listings that we already have on our platform and it does not create new listings.

b. Full Integrations

For “Full Integrations” there are two processes:

1. If a listing already existed in the file before this update, we immediately refresh the availability and price according to the latest data.

2. If a listing did not exist in the previous update, therefore a new listing was added to the data file, we store it and run through quality control queue. Our team will do a manual quality check on the information by comparing it with the original URL, only after this check the listing gets live on Uniplaces.com.

## Changing stock status

If, by any reason, you need to remove a certain listing from our platform, we need the following steps to be taken:

1. Change the “*available_from*” field to NULL
   OR
2. Remove the listing from the data output

**NOTE:** If you are connecting through the “Full Integration” it’s recommended that you still send the full stock of listings, including the unavailable listings.

## Stopping the integration

If you want to stop the integrations for some reason you just need to contact us and we will stop fetching the data. If by any reason you wish to stop the integration, please get in touch with us and we interrupt the data fetch process. If you unpublish the feed or remove the JSON without warning us, your properties will still appear live in our platform, but not up to date.