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Schnittstellen-Dokumentation

onlinebrief24.de / API-Schnittstelle

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1. Technische Details

Technical details

Content-Type: application/json

Authentifizierung erfolgt mit API-Key und API-Secret Schlüssel

Maximale Dateigröße darf 50 MB je PDF / Request nicht überschreiten

Content-Type: application/json

Authentication with API-Key and API-Secret

Maximum file size must not exceed 50 MB per PDF / Request

2. Authentifizierung

Authentication

Die Authentifizierung erfolgt durch einen JSON-Request mit API-Key und API-Secret Schlüssel, dieser kann im Kundencenter unter Einstellungen > API Zugang > Zugangsdaten> generiert werden.

The authentication is done through a JSON request with API-Key and API-Secret. These can be generated in the customer area under Einstellungen > API Zugang > Zugangsdaten.



Hinweis: Das "auth"-Objekt muss bei jedem Request mit übertragen werden.

Testmodus

Um die API im Testmodus zu testen, muss der Wert "test" im Feld "mode" gesetzt werden (**"mode": "test"**).

Im Testmodus übertragene Aufträge gehen nicht in Verarbeitung, sondern werden im Warenkorb abgelegt. Dort können Aufträge nachträglich geprüft, gelöscht oder auch versendet werden. Aufträge, die im Warenkorb liegen gelassen werden, werden nach 7 Tagen automatisch gelöscht.

Livemodus

Bei einem produktiven Einsatz muss der Wert "live" im Feld "mode" gesetzt sein (**"mode": "live"**). Im Livemodus erfolgt die Übertragung der Sendungen direkt und nicht über den Warenkorb.

Note: The "auth" object must be transferred with every request.

Test mode

To test the API in test mode, the value "test" must be set in the "mode" field (**"mode": "test"**).

Requests transmitted in test mode are not processed but are stored in the shopping card. There, jobs can be subsequently checked, deleted or even sent. Jobs left in the shopping card are automatically deleted after 7 days.

Live mode

For productive use, the value "live" must be set in the "mode" field (**"mode": "live"**). In live mode, the items are transmitted directly and not via the mailbox.

Request

```
"auth": {
  "apiKey": "(string)",
  "apiSecret": "(string)",

  // If the access mode is set to "test", the transmitted letters are
  // not processed but are stored in the "shopping card"
  "mode": "(string)"    // test, live
}
```



Response bei fehlerhafter Authentifizierung

Response in case of incorrect authentication

```
{
  "message": "Unauthorized."
}
```

Beispiel

Example

```
curl -X GET "https://api.onlinebrief24.de/v1/balance" \
-H "Content-Type: application/json" \
-d '{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  }
}'
```

3. Letter-Objekt

Letter object

Das Letter-Objekt bildet den Grund-Baustein für die Übermittlung von Briefen über die API-Schnittstelle. Viele der Felder sind dabei optional und müssen nicht ausgefüllt und mitgeschickt werden.

The Letter object is the basic building block for the transmission of letters via the API interface. Many of the fields are optional and do not have to be filled in and sent.

```
"letter": {
  "base64_file": "(string)",
  "base64_file_checksum": "(string)", // md5 from base64 string

  "specification": {
    "color": "(string)", // 1 - black/white, 4 - color
    "mode": "(string)", // simplex, duplex
    "shipping": "(string)", // national, international, auto
    "c4": (number) // 0, 1 - optional, for C4 envelope under 9 sheets
  },

  // optional for print jobs
  // A file name can also be transferred with the request.
  // When retrieving jobs via the API, the file name is also returned.
  "filename_original": "(string)", // i.e. Rechnung-123456.pdf

  // optional
  // Important! Registered mail can be sent nationally for both types of
  // registered letters or internationally only for r2 registered letters.
  // r1 - Einschreiben Einwurf
  // r2 - Einschreiben
  "registered": "(string)", // r1, r2

  // optional
```



```
// Important! Dispatch day must be in the future.
"dispatch_date": "(string)", // yyyy-mm-dd Format

// optional
// If the separator type is "string", then a keyword is expected as
// the separator value, which is used to separate the individual letters.
// If the separator type is "number", then a number is expected as the
// separator value. The serial letter is then broken down into individual
// letters after this number of pages.
"serial_letter": {
  "pages_separator_type": "(string)", // string, number
  "pages_separator_value": "(string)|(number)" // keyword or number of
pages
},

// optional
// Multiple attachments can be added to a letter. The order of the
// attachments in the letter depends on the order of the attachments
// in the request.
// The attachments must be created as a PDF in A4 portrait format
// (29.7 x 21.0 cm) and converted to a base64 string.
"base64_attachments": ["(string)", "(string)", ...],

// optional
// The letter background must be created as a PDF in A4 portrait format
// (29.7 x 21.0 cm) and consist of one page. With a serial letter, the
// background is inserted on each individual letter after the selection
made.
"backgrounds": {
  "base64_background_first_page": "(string)",
  "base64_background_other_pages": "(string)"
},

// optional
// The terms and conditions must be created as a PDF in A4 portrait
// format (29.7 x 21.0 cm) and consist of one page. They can either be
// inserted behind the 1st page or behind all pages of a letter.
// Printing is automatically double-sided (duplex). If the terms and
conditions
// are only inserted behind the first page, blank pages will be inserted
// behind all subsequent pages. With a serial letter, the terms and
// conditions are added to each individual letter according to the rules
// that have been set.
"terms_and_conditions": {
  "base64_terms": "(string)", // PDF format
  "terms_on_all_pages": (number) // 0, 1
},

// optional
// The bank transfer form is always attached as the last sheet of a
letter.
"bank_form": {

// Payment details are printed on the last sheet.
// This sheet must be blank except for the payment details.
  "bank_form_included": (number), // 0, 1

// This information is ignored if "bank_form_included" is set to 1
  "payee": "(string)", // max. 35 characters
  "iban": "(string)", // max. 34 characters
  "bic": "(string)", // max. 11 characters
  "amount": "(string)", // max. 12 characters
  "purpose_of_payment": "(string)", // max. 27 characters
  "purpose_of_payment2": "(string)" // max. 27 characters
},
```



```
// optional
// This field can contain any information. The data is stored in the
// database for a certain period of time and can be called up again
// via API or in the customer area.
"notice": "(string)" // max. 255 characters

// optional
"cost_unit": "(string)" // max. 255 characters
}
```

Die minimale Konfiguration eines Letter-Objekt sieht so aus

The minimal configuration of a Letter object looks like this

```
"letter": {
  "base64_file": "(string)", // file encoded in base64 format
  "base64_file_checksum": "(string)", // checksum from base64 encoded
    string
  "specification": {
    "color": "(string)", // 1 - black/white, 4 - color
    "mode": "(string)", // simplex, duplex
    "shipping": "(string)" // national, international, auto
  }
}
```

4. Endpoints

Endpoints

GET

/v1/balance

Guthaben abfragen *check balance*

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  }
}
```



Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "balance": 54.89,
    "currency": "EUR"
  }
}
```

GET

/v1/price
Preisabfrage *Check price*

Bei einer Preisabfrage ist unter "specification" ein zusätzliches Element "pages" (Seitenzahl) erforderlich.

For a price query, an additional element "pages" (page number) is required under "specification".

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  },
  "letter": {
    "specification": {
      "pages": (int), // number of pages
      "color": "(string)",
      "mode": "(string)",

      // When asking for a price, we can only use the "national"
      // and "international" values for shipping
      "shipping": "national", // national, international
      "c4": "0" // optional
    },

    // optional
    // If the price request is for a registered letter, shipping can be
    // either "national"
    // for both types of registered letters,
    // or "international" only for r2 registered letters.
    "registered": "r2"
  }
}
```



Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "price": 4.99,
    "letter": {
      "specification": {
        "pages": 1,
        "color": "4",
        "mode": "simplex",
        "shipping": "national",
        "c4": 0
      },
      "registered": "r1"
    }
  }
}
```

GET

/v1/printjobs{?parameter}

Aufträge auflisten *List jobs*

Die Reihenfolge der Aufträge richtet sich nach dem Auftrags-Datum (von neu zu alt).

The order of the jobs is based on the order date (from newest to oldest).

Diesem Endpunkt können bestimmte Parameter mit übergeben werden:

“filter”: queue, hold, done, canceled, draft

Wert	Beschreibung
queue	Aufträge in der Warteschlange
hold	angehaltene Aufträge
done	verarbeitete Aufträge
canceled	stornierte Aufträge
draft	Aufträge im Warenkorb

Beispiel

GET: /v1/printjobs?filter=hold



Certain parameters can be passed to this endpoint:
"filter": queue, hold, done, canceled, draft

Value	Description
queue	orders in the queue
hold	paused orders
done	processed orders
canceled	canceled orders
draft	orders in the shopping cart

Example

GET: /v1/printjobs?filter=hold

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  }
}
```

Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "printjobs": [
      {
        "id": 1000021,
        "shipping": "national",
        "mode": "simplex",
        "color": "1",
        "c4": 0,
        "registered": null,
        "bank_form": 0,
        "notice": null,
        "status": "done",
        "cost_unit": null,
        "dispatch_date": "2025-03-28 12:58:49",
        "filename_original": "ExampleDocument.pdf",
        "created_at": "2025-03-26 10:40:40",
        "updated_at": "2025-03-28 11:05:01",
        "items": [
          {

```



```
{
  "id": 1000021,
  "address": "Jim Knopf, Bahnhofstr. 1, 21337 Lüneburg",
  "pages": 4,
  "amount": 1.32,
  "vat": 0.25,
  "status": "sent",
  "links": {
    "self": "http://api.onlinebrief24.de/v1/printjobs/1000021?1000021"
  }
},
{
  "pagination": {
    "total": 1,
    "count": 1,
    "current_page": 1,
    "last_page": 1,
    "per_page": 50,
    "first_page_url": "http://api.onlinebrief24.de/v1/printjobs?filter=done&page=1",
    "last_page_url": "http://api.onlinebrief24.de/v1/printjobs?filter=done&page=1",
    "prev_page_url": null,
    "next_page_url": null
  }
}
```

POST

/v1/printjobs
Auftrag übertragen *Submit job*

Hinweis: Um ein PDF-Dokument zu übertragen muss das Letter-Objekt mit übermittelt werden, welches weitere Elemente benötigt.

Note: To transfer a PDF document, the Letter object must also be transferred, which requires additional elements.

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  },
}
```



```
"letter": {
  "base64_file": "(string)",
  "base64_file_checksum": "(string)",
  "specification": {
    "color": "(string)",
    "mode": "(string)",
    "shipping": "(string)"
  }
}
```

Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "id": 6035143,
    "shipping": "national",
    "mode": "simplex",
    "color": "1",
    "c4": 0,
    "registered": null,
    "bank_form": 0,
    "notice": null,
    "status": "queue",
    "cost_unit": null,
    "dispatch_date": null,
    "filename_original": null,
    "created_at": "2022-08-01 13:38:07",
    "updated_at": "2022-08-01 13:38:07",
    "items": [
      {
        "address": "Jim Knopf, Bahnhofstr. 1, 21337 Lüneburg",
        "pages": 1,
        "amount": 0.68,
        "vat": 0.13,
        "status": "queue"
      }
    ]
  }
}
```

GET

/v1/printjobs/(int)id
Auftrag abrufen *Get job*

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
  }
}
```



```
    "mode": "(string)"
  }
}
```

Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "id": 1000021,
    "shipping": "national",
    "mode": "simplex",
    "color": "1",
    "c4": 0,
    "registered": null,
    "bank_form": 0,
    "notice": null,
    "status": "done",
    "cost_unit": null,
    "dispatch_date": "2025-03-28 13:08:38",
    "filename_original": "ExampleDocument.pdf",
    "created_at": "2025-03-26 10:40:40",
    "updated_at": "2025-03-28 11:05:01",
    "items": [
      {
        "id": 1000021,
        "address": "Jim Knopf, Bahnhofstr.1,
          21337 Lüneburg",
        "pages": 4,
        "amount": 1.32,
        "vat": 0.25,
        "status": "sent",
        "tracking_code": "RC123456789DE", // optional
        "links": {
          "self":
            "http://api.onlinebrief24.de/v1/printjobs/1000021?100021"
        }
      }
    ]
  }
}
```

PUT

/v1/printjobs/(int)id
Auftrag ändern *Edit job*

Hinweis: Ein Auftrag kann nur innerhalb der ersten 15 Minuten nach der Übertragung noch verändert werden.



Note: An order can only be changed within the first 15 minutes after transmission.

Das PDF-Dokument (Datei) kann durch ein Update nicht mehr nachträglich verändert werden. Nur bestimmte Spezifikationen bzw. Versandoptionen können noch angepasst werden.

The PDF document (file) can no longer be subsequently changed by an update. Only certain specifications or shipping options can still be adjusted.

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  },
  "letter": {
    "dispatch_date": "2025-09-01", // optional
    "registered": "r1", // optional
    "cost_unit": "Finance Department",
    "notice": "KdNr. xxxxx", // optional
    "specification": {
      "color": "4",
      "mode": "simplex",
      "shipping": "national",
      "c4": 1 // optional
    }
  }
}
```

Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "id": 6035145,
    "shipping": "national",
    "mode": "simplex",
    "color": "4",
    "c4": 0,
    "registered": "r1",
    "bank_form": 0,
    "notice": "KdNr. xxxxx",
    "status": "queue",
    "dispatch_date": "2022-09-01",
    "filename_original": null,
    "created_at": "2022-08-01 13:42:12",
    "updated_at": "2022-08-01 13:52:04",
    "items": [
      {
        "address": "Jim Knopf, Bahnhofstr. 1, 21337 Lüneburg",

```



```
{
  "pages": 1,
  "amount": 1.51,
  "vat": 0.29,
  "status": "queue"
}
```

DELETE

/v1/printjobs/(int)id
Auftrag löschen *Delete job*

Hinweis: Ein Auftrag kann nur innerhalb der ersten 15 Minuten nach der Übertragung gelöscht werden. Aufträge, die bereits den Status "done" haben, können nicht mehr gelöscht werden.

Note: A job can only be deleted within the first 15 minutes after transmission. Jobs that already have the status "done" can no longer be deleted.

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  }
}
```

Response

```
{
  "status": 200,
  "message": "Print job deleted successfully"
}
```



GET

/v1/transactions{?parameter}

Transaktionen auflisten *List transactions*

Es werden alle Transaktionen des Kunden (Aufladungen, Gutscheine, etc.) zurückgeliefert.

All the customer's transactions (top-ups, vouchers, etc.) are returned.

Diesem Endpunkt können bestimmte Parameter mit übergeben werden:
"filter": payins, payouts, printjobs

Wert	Beschreibung
payins	Einzahlungen / Gutscheine ...
payouts	Auszahlungen

Beispiel

GET: /v1/transactions?filter=payins

Certain parameters can be passed to this endpoint:
"filter": payins, payouts

Value	Description
payins	deposits / vouchers...
payouts	payouts

Example

GET: /v1/transactions?filter=payins

Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  }
}
```



Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "transactions": [
      {
        "amount": 258.36,
        "currency": "EUR",
        "description": "Gutschrift",
        "created_at": "2025-03-28 11:15:11"
      },
      {
        "amount": 20,
        "currency": "EUR",
        "description": "Banküberweisung",
        "created_at": "2025-03-28 11:04:01"
      },
      {
        "amount": 5,
        "currency": "EUR",
        "description": "Gutschrift",
        "created_at": "2020-05-01 18:31:07"
      }
    ],
    "pagination": {
      "total": 3,
      "count": 3,
      "current_page": 1,
      "last_page": 1,
      "per_page": 50,
      "first_page_url":
        "http://api.onlinebrief24.de/v1/transactions?filter=payins&page=1",
      "last_page_url":
        "http://api.onlinebrief24.de/v1/transactions?filter=payins&page=1",
      "prev_page_url": null,
      "next_page_url": null
    }
  }
}
```

GET**/v1/invoices**Rechnungen auflisten *List invoices*

Auflistung aller Rechnungen mit Rechnungsbetrag, Steueranteil sowie Rechnungsdatum.

Listing of all invoices with invoice amount, taxes as well as invoice date.

Request

```
{
  "auth": {
    "apiKey": "(string)",
```



```
{
  "apiSecret": "(string)",
  "mode": "(string)"
}
```

Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "invoices": [
      {
        "id": 25402,
        "amount": 0.67,
        "vat": 0.13,
        "invoice_date": "2020-05-31"
      },
      {
        "id": 26472,
        "amount": 0.67,
        "vat": 0.13,
        "invoice_date": "2020-06-30"
      },
      {
        "id": 59934,
        "amount": 1.32,
        "vat": 0.25,
        "invoice_date": "2022-04-30"
      }
    ],
    "pagination": {
      "total": 3,
      "count": 3,
      "current_page": 1,
      "last_page": 1,
      "per_page": 15,
      "first_page_url": "https://api.onlinebrief24.de/v1/invoices?page=1",
      "last_page_url": "https://api.onlinebrief24.de/v1/invoices?page=1",
      "prev_page_url": null,
      "next_page_url": null
    }
  }
}
```

GET

/v1/invoices/(int)id
Rechnung abrufen *Get invoice*

Hiermit kann eine einzelne Rechnung samt der PDF-Daten (im base64-Format) abgerufen werden.

This can be used to retrieve a single invoice together with the PDF data (in base64 format).



Request

```
{
  "auth": {
    "apiKey": "(string)",
    "apiSecret": "(string)",
    "mode": "(string)"
  }
}
```

Response

```
{
  "status": 200,
  "message": "OK",
  "data": {
    "id": 25402,
    "amount": 0.67,
    "vat": 0.13,
    "invoice_date": "2024-05-31",
    "base64_data": "xxxxxxxx"
  }
}
```

5. Statusmeldungen

Status messages

Status <i>Status</i>	Beschreibung <i>Description</i>
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
405	Method Not Allowed
500	Internal Server Error

Wenn Sie weitere Fragen haben, stehen wir Ihnen gerne zur Verfügung:

support@onlinebrief24.de