

Getting Started

Get a first look into viafintech and our Merchant product!



Documentation

Check out our API v documentation page

➡ <https://docs.viafintech.com/api/v2/#introduction>



If you want to use our API with Ruby or PHP please have a look at our ready-to-use SDKs. They get you started in seconds

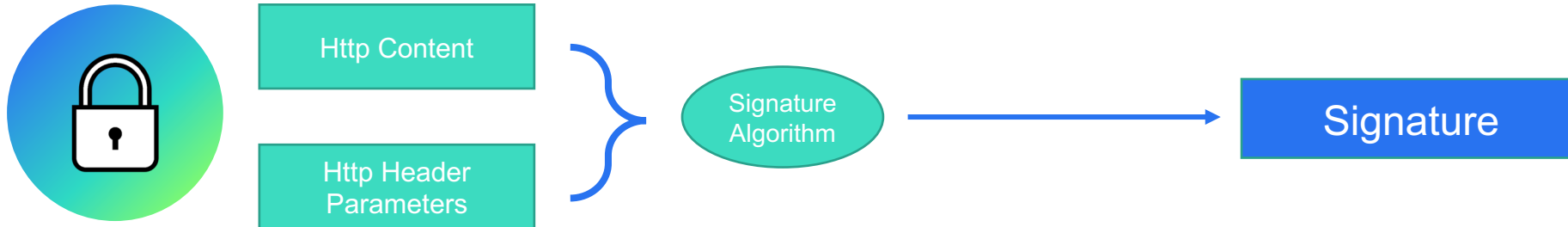
Ruby: [Barzahlen Gem](#)

PHP: [Barzahlen Package](#)

Authentication

Our API uses state-of-the-art security techniques. Each request must be signed with a special generated hash.

➡ To generate the signature we will use the “Signature Generator” on our [documentation page](#)



The signature is time critical which means that the date header should not differ from the current time by more than one minute.

NOTE: Standard time zone is GMT. If you use a different format zone consider the correct time in GMT to successfully send requests.

Authentication

How to use the “Signature Generator”?

Go to the Signature Generator page in our [documentation](#).



Host:Port	<input type="text" value="api.viafintech.com:443"/>	Enter the URL for the API: for testing use the sandbox URL
HTTP Method	<input type="text" value="GET"/>	Enter the request method
Path	<input type="text" value="/v2/slips/slp-d90ab05c-69f2-4e87-99"/>	Enter the path for the request
Query String	<input type="text"/>	
Date	<input type="text" value="Thu, 31 Mar 2016 10:50:31 GMT"/>	As specified in the Date Header. Correctly formatted and accurate.
Idempotency-Key	<input type="text"/>	A key per slip to avoid duplicates.
Body	<input type="text"/>	
Key	<input type="text" value="6b3fb3abef828c7d10b5a905a49c988105f"/>	An assigned API given to the user upon registration

Creating a Slip!



1. Retrieve endpoint for slip creation
2. Build request content
3. Generate the signature
4. Send request

Step 1 & 2

1. Retrieve endpoint for slip creation

Host: api.viafintech.com

Method: POST

Endpoint: /slips

2. Build Request content

```
{  
  "slip_type": "payment",  
  "customer": {  
    "key": "customer@example.com"  
  },  
  "transactions": [  
    { "currency": "EUR", "amount": "99.50" } ]  
}
```



3. Generate Signature

Now let's head to our Signature Generator (<https://docs.viafintech.com/api/v2/#signature-generator>) and generate a signature for this specific request. The generation algorithm is described in our docs.



Host:Port	api.viafintech.com:443
HTTP Method	GET
Path	/v2/slips/slp-d90ab05c-69f2-4e87-99
Query String	
Date	Thu, 31 Mar 2016 10:50:31 GMT
Idempotency-Key	
Body	<pre>{ "slip_type": "payment", "customer": { "key": "customer@example.com" }, "transact ions": [{ "currency": "EUR", "amount": "99.50" }] }</pre>
Key	example123



Signature
adae2ddd b f088197b5d4e6ce

4. Send (Postman)

We will send you out a postman collection that you can easily use to create the slips!

Response:



```
"id": "slp-cd801e7d-ee66-405c-926f-d6b4d1ebb27c",
"slip_type": "payment",
"division_id": "XXXXXXXXXX",
"reference_key": null,
"hook_url": null,
"expires_at": "2022-01-18T14:43:11.241Z",
"customer": {
  "key": "testingViafintechAPI1234",
  "cell_phone_last_4_digits": null,
  "email": null,
  "language": "it-IT"
},
"checkout_token": "djF8Y2hrdHxzBhAtY2Q4MDF1N2QtZWU2Ni00MDVjLTkyNmYtZDZiNGQxZWJiMjJmZDZlWVWUzdpUnk1UkZmNUhwK3BFdUJsN3RtNEByNz12bF1SZmVwbW02Unc9",
"metadata": {},
"transactions": [
  {
    "id": "11082870",
    "currency": "EUR",
    "amount": "0.99",
    "displayed_due_at": "2022-01-18T14:43:11.241Z",
    "state": "pending",
    "country": null
  }
],
"nearest_stores": []
```


Send (Curl 1/3)



```
$ curl
-X POST -d '{"slip_type": "payment", "customer": {"key":
"customer@example.com"}, "transactions": [{" "currency": "EUR",
"amount": "99.50"}]}' \

-H "Date: Mon, 15 May 2017 13:32:20 GMT" \

-H "Authorization: BZ1-HMAC-SHA256 DivisionId=#####,
Signature=9ddd48dd912a6e73c841a21cd23c06cc65e55a1727d34fd
d02547682573832fd" \

-H "Idempotency-Key: 0f1db14a-81ec-405d-8189-50d0c907ebea" \

https://api-sandbox.viafintech.com/v2/slips
```

Send (Curl 2/3)



>> Reponse

```
{
  "id":"slp-3473c4de-ab78-4e50-b04e-62a5cee3aba5",
  "slip_type":"payment",
  "division_id":"84681",
  "reference_key":null, "barcode_ean13":"4051732578462",
  "hook_url":null, "expires_at":"2017-05-29T21:59:59.000Z",
  "customer":{
    "key":"customer@example.com",
    "cell_phone_last_4_digits":null,
    "email":null, "language":"de-DE" },
  "checkout_token":"djF8Y2hrdHxzbHAtMzQ3M2M0ZGUtYWl3OC00ZTUw
LWlwNGUtNjJhNWNIZTNhYmE1fGpCTkhpT0cvV2M4SjUrM2hsWG5TOU9E
VXF5WG9MWXEzZk8rSIBqc1FBR0U9",
  "metadata":{
  },
}
```

Send (Curl 3/3)



```
>> Reponse
.... "transactions":[
  {
    "id":"173257846",
    "currency":"EUR",
    "amount":"99.5",
    "state":"pending"
  }
],
"nearest_stores":[ ]
}
```

Common Mistakes

- Request body contains carriage returns <CR> instead of line feeds <LF> → Try to remove <CR> and inline the request body

- The data for the signature and the data sent defer (e.g. Date-Header, Request body, ...)

- Wrong API Key used→please check your API Key in the Control Center

- For some requests an idempotency-key is required→please check the docs

→**In any other case please have a look at the error message in the api response**



Error Handling



viafintech API v2 returns different HTTP error codes in the 4xx and 5xx ranges. When an error status is returned, the body contains JSON with more information about the error (except for some 5xx errors, which might contain non-JSON data).

The message returned with an error code can contain additional information.

Status	Class	Code and hints
401	auth	invalid_signature
401	auth	invalid_signature_format
401	auth	only_sandbox_allowed
400	transport	invalid_host_header
413	transport	request_body_too_large
429	rate_limit	rate_limit_exceeded
400	invalid_format	invalid_query_params - Query params are not used at the moment.
404	invalid_format	invalid_request_url
500	server_error	internal_server_error - These should happen rarely, we fix them as soon as possible.

Questions?

IT Support:



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