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1 Introduction

1.1 References

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Document Reference	Document Title	Version	Filename
[1]	[[reference-doc-title]]		[[reference-doc-filename]]
[2]			
[3]			
[4]			
[5]			
[6]			
[7]			
[8]			

Table 1: Document references

2   puzzlesCloudMDs

pc md

pc md

3 Backticks

3.1 Backticks MD file

this is single line of backticks

Tis is text which contains text under backticks

this is backticks this is regular text

several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks several text lines under single backticks

3.1.1 Backtickts in heading

test test test test test test test test test test test test test test test test test test test test test test test test test test test test test test

3.2 End of file

test

4 Big

4.1 Edge Service

1234 The Edge Service provides the interface between the public REST API and internal AMQP API.

4.1.1 TODO

4.1.1.1 TODO version 1.0
- ✓ [x] Test environment and credentials
- ✓ [x] specify voucher content fields
- ✓ [x] specify voucher pricing fields
- ✓ [x] specify payment method fields

4.1.1.2 TODO version 1.0-next
- ✓ [ ] refactor entities and apply relationships
- ✓ [ ] provide full resource schemas
- ✓ [ ] enforce validation of resource schemas

4.1.2 Test environment and credentials
TODO

Username	Password	Description
test@test.org	test	just protected
test@gmail.com	test	just testing
testtest	test	qa

4.1.3 Edge Service Registry
The Edge Service Registry is responsible to maintain an index of all currently available Edge Services and configure all its known [Load-Balancers] accordingly.

As of writing no hosting solution has been chosen yet. Therefor the actual API which is used to configure the load-balancers remains unspecified for now.

All Edge Service Instances **must** register themselves on the registry on startup and un-register on shutdown.

4.1.4   Edge Service Relay

Every Edge Service will be provided with a local relay connecting its instances to the central Message Broker cluster. The message exchange routing of the relay is configured in such a way, that only messages relevant to its connected Edge Services is routed to it from the broker cluster.

> *See [Message Relay] for more information.*

4.1.5   Edge Service Client

Each Service that is to be served by the Edge Service is represented by a so-called Edge Service Client. It is responsible to provide the implementation of the public REST API for that given service.

4.1.6   ReST API

The Edge Service API acts as translation layer between the Services and the Frontend. The actual logic is implemented in separate [Edge Service Client]s for each individual Service consumed by the API or API endpoint provided by the API, respectively.

All public-facing endpoints **must** adhere to the [JSONAPI] specification and be subject to strict [Access Control].

4.1.6.1   Login

4.1.6.1.1   Login request

Variables	Description	Example
ICP_SHOP_ID	see [Test environment and credentials]	
ICP_SHOP_PASSPHRASE	see [Test environment and credentials]	
ICP_SHOP_DIGEST	Derived from ${ICP_SHOP_ID} and ${ICP_SHOP_PASSPHRASE}	MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl

```
POST /api/rest/v1/auth/login HTTP/1.1
 Authorization: Basic ${ICP_SHOP_DIGEST}
 Accept: application/vnd.api+json
```

4.1.6.1.2   Login response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json
```

4.1.6.1.3   Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxO GItMTM4My0 0M2E0LWI1M DYtYmUwZjY wMzJiZDY5	master.env.a pi.shop1.roc ks	/	Seassion	true	false

4.1.6.2   Logout

4.1.6.2.1   Logout request

Variables	Description	Example

```
POST /api/rest/v1/auth/logout HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.1.6.2.2   Logout response

```
HTTP/1.1 204 No Content
```

4.1.6.3   Voucher list

See [VoucherWebList] method in the [Mimas integration] documentation for the source of these fields.

4.1.6.3.1   Voucher list request

```
GET /api/rest/v1/vouchers HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.1.6.3.2   Voucher list response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```json
{
    "data":[
        {
            "id":"f634f09f-9a06-4297-a326-0d703938b702",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL10",
                "currency":"EUR",
                "ean-code":"8717472242211",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 10 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 10",
                "value":10.0,
                "price-total":11.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods": {
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
                        "name":"PayPal",
                        "provider-name":"Wirecard"
                    }
                }
            }
        },
        {
            "id":"a3473e20-19b4-44fe-8389-67a511854759",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL15",
                "currency":"EUR",
                "ean-code":"8717472242129",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 15 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 15",
                "value":15.0,
                "price-total":16.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods":[
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
```

```
              "name":"PayPal",
              "provider-name":"Wirecard"
          }
       ]
    }
  }
 ]
}
```

4.1.6.4   Voucher detail

4.1.6.4.1   Voucher detail request

```
GET /api/rest/v1/vouchers/:voucher-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.1.6.4.2   Voucher detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
    "data":{
        "id":"f634f09f-9a06-4297-a326-0d703938b702",
        "type":"voucher",
        "attributes":{
            "code":"LEBALLINNL10",
            "currency":"EUR",
            "ean-code":"8717472242211",
            "encryption-type":0,
            "kind":0,
            "name":"Lebara All-in NL 10 EUR",
            "provider-code":"LEBARA",
            "provider-name":"Lebara",
            "short-name":"All-in NL 10",
            "value":10.0,
            "price-total":11.99,
            "price-tax":0.00,
            "price-fee":1.99,
            "payment-methods": {
                "wirecard-creditcard":{
                    "name":"Credit Card",
                    "provider-name":"Wirecard",
                    "image-url":"https://wirecard.com/logo.png"
                },
                "wirecard-paypal":{
                    "name":"PayPal",
                    "provider-name":"Wirecard"
                }
            }
        }
    }
 }
```

4.1.6.5   Voucher order

See [VoucherWebReserve] method in the [Mimas integration] documentation for the source of these fields.

4.1.6.5.1   Voucher order request
| Variables | Description | Example | | -----------------------| -- | -- | |

```
POST /api/rest/v1/voucher-orders HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "voucher-code": "VODADE15"
       "payment-method": "Wirecard VISA",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "provider-text-url": "https://provider.texts",


       "order-success-redirect-url": "/success",
       "order-failed-redirect-url": "failed",
       "order-canceled-redirect-url": "/cancel"

     }
   }
 }
```

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c
type	string	n/a	type of request, must be "voucher-order", "voucher-order"	
voucher-code	string	n/a	code of the voucher gathered from voucher list	"VODADE15"
payment-method	string	n/a	on of the allowed methods for the voucher, denoted in voucher list response	"Wirecard VISA"
notification-type	string	currently only "email" is supported	type of the notification target	"email"
notification-target	string	n/a	target adress	"me@my-email.com"

field name	type	constrains	description	example
order-success-redirect-url	string	valid URL	Where the wirecard should redirect if payment was successfull	protect
order-failed-redirect-url	string	valid URL	Where the wirecard should redirect if payment fails	protect
order-canceled-redirect-url	string	valid URL	Where the wirecard should redirect if payment was canceled	protect

4.1.6.5.2 Voucher order response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 0.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "0",
       "batch-number": "1234"
     }
   }
 }
```

4.1.6.6 Voucher order detail

4.1.6.6.1   Voucher order detail request

```
GET /api/rest/v1/voucher-orders/:order-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.1.6.6.2   Voucher order detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 1.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "1611313953175"
     }
   }
 }
```

4.1.6.7   Provider Text

See [GetProvicerTexts] method in the [Mimas integration] documentation for the source of these fields.

4.1.6.7.1   Provider Text request

Variables	Description	Example

```
GET /api/rest/v1/provider-texts/ HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


GET /api/rest/v1/provider-texts/:provider-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.1.6.7.2   Provider Text response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": [
     {
       "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "title",
         "title": "Produktname",
         "body": "About You-Geschenkkarte"
       }
     },
     {
       "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "subtitle",
         "title": "Slogan",
         "body": "Hol Dir per E-Mail eine About You-Geschenkkarte."
       }
     }
   ]
 }
```

4.1.6.8   Content

See [Content Service] for more information on the source of these fields.

4.1.6.8.1   Content request

Variables	Description	Example

```
GET /api/rest/v1/content/i18next.json HTTP/1.1
 Authorization: No Auth
 Accept: application/json
```

4.1.6.8.2   Content response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "en": {
     "world.hello": "Hello, World!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Cancel",
     "radio.options": {
       "option-1": "Selection 1",
       "option-2": "Selection 2",
     }
   },
   "de": {
     "world.hello": "Hallo, Welt!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Abbrechen"
     "radio.options": {
       "option-1": "Auswahl 1",
       "option-2": "Auswahl 2",
     }
   }
 }
```

4.1.6.9   Verification

See for more information on the source of these fields.

4.1.6.9.1 Verification request by phone number

```
POST /api/rest/v1//auth/phone-number-verification HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


    {
   "data": {
     "id": "38f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "sms-confirmation-code": "716569"
     }
   }
 }
```

4.1.6.9.2 Verification by phone number response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "data": {
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": false,
       "remaining-number-of-attempts": 4,
       "remaining-expiration-time": 0
     }
   }
 }
```

4.1.6.9.3 Verification request by sms

```
POST /api/rest/v1/auth/sms-verification-code HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": {
     "id": "48f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655"
     }
   }
 }
```

4.1.6.9.4 Verification by sms number response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
   "data": {
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": true,
       "remaining-number-of-attempts": 2,
       "remaining-delay-time": 20,
       "remaining-expiration-time": 1800
     }
   }
 }
```

4.1.6.10 Cookies

4.1.6.10.1 Cookies request

```
POST /api/rest/v1/cookies HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": [
     {
       "type": "cookie",
       "id": "shopId",
       "attributes": {
         "name": "shopId",
         "value": "1234"
       }
     },
     {
       "type": "cookie",
       "id": "ns_dev_id",
       "attributes": {
         "name": "ns_dev_id",
         "value": "device_id"
       }
     }
   ]
 }
```

4.1.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

4.1.6.11 Documentation

Returns list of Json Schemas for request and response for requested rest endpoint. Use exact endpoint plus schema url parameter. For example, /api/rest/v1/vouchers?schema will return json schemas for /api/rest/v1/vouchers endpoint.

4.1.6.11.1 Documentation request

```
GET /api/rest/v1/vouchers?schema HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.1.6.11.2 Documentation response

Complete Response is omitted because of size , here is just a part :

```
HTTP/1.1 200 OK

{
   "required": [
     "createdDate",
     "notificationStatus",
     "notificationTarget",
     "notificationType",
     "orderFeeTotal",
     "orderPriceTotal",
     "orderStatus",
     "orderTaxTotal",
     "paymentMethod",
     "paymentProvider",
     "paymentStatus",
     "shortId",
     "voucherCode",
     "voucherCurrency",
     "voucherStatus",
     "voucherValue"
   ]
 }
```

4.1.6.12 i18 internationalization

  ✓ *Retrieves i18next json based on requested language*

4.1.6.12.1 i18 request

```
GET api/rest/v1/content/i18next.json/de HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2 Edge Service

The Edge Service provides the interface between the public REST API and internal AMQP API.

4.2.1 TODO

4.2.1.1 TODO version 1.0
  ✓ *[x] Test environment and credentials*

- ✓ *[x] specify voucher content fields*
- ✓ *[x] specify voucher pricing fields*
- ✓ *[x] specify payment method fields*

4.2.1.2   TODO version 1.0-next

- ✓ *[ ] refactor entities and apply relationships*
- ✓ *[ ] provide full resource schemas*
- ✓ *[ ] enforce validation of resource schemas*

4.2.2   Test environment and credentials

TODO

Username	Password	Description
test@test.org	test	just protected
test@gmail.com	test	just testing
testtest	test	qa

4.2.3   Edge Service Registry

The Edge Service Registry is responsible to maintain an index of all currently available Edge Services and configure all its known [Load-Balancers] accordingly.

> *As of writing no hosting solution has been chosen yet. Therefor the actual API which is used to configure the load-balancers remains unspecified for now.*

All Edge Service Instances **must** register themselves on the registry on startup and un-register on shutdown.

4.2.4   Edge Service Relay

Every Edge Service will be provided with a local relay connecting its instances to the central Message Broker cluster. The message exchange routing of the relay is configured in such a way, that only messages relevant to its connected Edge Services is routed to it from the broker cluster.

> *See [Message Relay] for more information.*

4.2.5   Edge Service Client

Each Service that is to be served by the Edge Service is represented by a so-called Edge Service Client. It is responsible to provide the implementation of the public REST API for that given service.

4.2.6   ReST API

The Edge Service API acts as translation layer between the Services and the Frontend. The actual logic is implemented in separate [Edge Service Client]s for each individual Service consumed by the API or API endpoint provided by the API, respectively.

All public-facing endpoints **must** adhere to the [JSONAPI] specification and be subject to strict [Access Control].

4.2.6.1   Login

4.2.6.1.1   Login request

Variables	Description	Example
ICP_SHOP_ID	**see [Test environment and credentials]**	
ICP_SHOP_PASSPHRASE	**see [Test environment and credentials]**	
ICP_SHOP_DIGEST	**Derived from ${ICP_SHOP_ID} and ${ICP_SHOP_PASSPHRASE}**	**MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl**

```
POST /api/rest/v1/auth/login HTTP/1.1
 Authorization: Basic ${ICP_SHOP_DIGEST}
 Accept: application/vnd.api+json
```

4.2.6.1.2   Login response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json
```

4.2.6.1.3   Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	**MmQ5ZjkxOGItMTM4My00M2E0LWI1MDYtYmUwZjYwMzJiZDY5**	**master.env.api.shop1.rocks**	**/**	**Seassion**	**true**	**false**

4.2.6.2   Logout

4.2.6.2.1   Logout request

Variables	Description	Example

```
POST /api/rest/v1/auth/logout HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2.6.2.2   Logout response

```
HTTP/1.1 204 No Content
```

4.2.6.3   Voucher list

See [VoucherWebList] method in the [Mimas integration] documentation for the source of these fields.

4.2.6.3.1   Voucher list request

```
GET /api/rest/v1/vouchers HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2.6.3.2   Voucher list response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
    "data":[
        {
            "id":"f634f09f-9a06-4297-a326-0d703938b702",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL10",
                "currency":"EUR",
                "ean-code":"8717472242211",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 10 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 10",
                "value":10.0,
                "price-total":11.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods": {
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
                        "name":"PayPal",
                        "provider-name":"Wirecard"
                    }
                }
            }
        },
        {
            "id":"a3473e20-19b4-44fe-8389-67a511854759",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL15",
                "currency":"EUR",
                "ean-code":"8717472242129",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 15 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 15",
                "value":15.0,
                "price-total":16.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods":[
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
```

```
                "name":"PayPal",
                "provider-name":"Wirecard"
            }
        ]
    }
   }
  ]
 }
```

4.2.6.4   Voucher detail

4.2.6.4.1   Voucher detail request

```
GET /api/rest/v1/vouchers/:voucher-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2.6.4.2   Voucher detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
    "data":{
       "id":"f634f09f-9a06-4297-a326-0d703938b702",
       "type":"voucher",
       "attributes":{
          "code":"LEBALLINNL10",
          "currency":"EUR",
          "ean-code":"8717472242211",
          "encryption-type":0,
          "kind":0,
          "name":"Lebara All-in NL 10 EUR",
          "provider-code":"LEBARA",
          "provider-name":"Lebara",
          "short-name":"All-in NL 10",
          "value":10.0,
          "price-total":11.99,
          "price-tax":0.00,
          "price-fee":1.99,
          "payment-methods": {
             "wirecard-creditcard":{
                "name":"Credit Card",
                "provider-name":"Wirecard",
                "image-url":"https://wirecard.com/logo.png"
             },
             "wirecard-paypal":{
                "name":"PayPal",
                "provider-name":"Wirecard"
             }
          }
       }
    }
 }
```

4.2.6.5   Voucher order

See [VoucherWebReserve] method in the [Mimas integration] documentation for the source of these fields.

4.2.6.5.1   Voucher order request
| Variables | Description | Example | | ----------------------| ---
| --- | |

```
POST /api/rest/v1/voucher-orders HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "voucher-code": "VODADE15"
       "payment-method": "Wirecard VISA",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "provider-text-url": "https://provider.texts",


       "order-success-redirect-url": "/success",
       "order-failed-redirect-url": "failed",
       "order-canceled-redirect-url": "/cancel"

     }
   }
 }
```

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c
type	string	n/a	type of request, must be "voucher-order", "voucher-order"	
voucher-code	string	n/a	code of the voucher gathered from voucher list	"VODADE15"
payment-method	string	n/a	on of the allowed methods for the voucher, denoted in voucher list response	"Wirecard VISA"
notification-type	string	currently only "email" is supported	type of the notification target	"email"
notification-target	string	n/a	target adress	"me@my-email.com"

field name	type	constrains	description	example
order-success-redirect-url	string	valid URL	Where the wirecard should redirect if payment was successfull	protect
order-failed-redirect-url	string	valid URL	Where the wirecard should redirect if payment fails	protect
order-canceled-redirect-url	string	valid URL	Where the wirecard should redirect if payment was canceled	protect

4.2.6.5.2   Voucher order response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 0.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "0",
       "batch-number": "1234"
     }
   }
 }
```

4.2.6.6   Voucher order detail

4.2.6.6.1 Voucher order detail request

```
GET /api/rest/v1/voucher-orders/:order-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2.6.6.2 Voucher order detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 1.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "1611313953175"
     }
   }
 }
```

4.2.6.7 Provider Text

See [GetProvicerTexts] method in the [Mimas integration] documentation for the source of these fields.

4.2.6.7.1 Provider Text request

Variables	Description	Example

```
GET /api/rest/v1/provider-texts/ HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


GET /api/rest/v1/provider-texts/:provider-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2.6.7.2   Provider Text response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": [
     {
       "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "title",
         "title": "Produktname",
         "body": "About You-Geschenkkarte"
       }
     },
     {
       "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "subtitle",
         "title": "Slogan",
         "body": "Hol Dir per E-Mail eine About You-Geschenkkarte."
       }
     }
   ]
 }
```

4.2.6.8   Content

See [Content Service] for more information on the source of these fields.

4.2.6.8.1   Content request

Variables	Description	Example

```
GET /api/rest/v1/content/i18next.json HTTP/1.1
 Authorization: No Auth
 Accept: application/json
```

4.2.6.8.2   Content response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "en": {
     "world.hello": "Hello, World!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Cancel",
     "radio.options": {
       "option-1": "Selection 1",
       "option-2": "Selection 2",
     }
   },
   "de": {
     "world.hello": "Hallo, Welt!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Abbrechen"
     "radio.options": {
       "option-1": "Auswahl 1",
       "option-2": "Auswahl 2",
     }
   }
 }
```

4.2.6.9   Verification

See for more information on the source of these fields.

4.2.6.9.1   Verification request by phone number

```
POST /api/rest/v1//auth/phone-number-verification HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


    {
   "data": {
     "id": "38f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "sms-confirmation-code": "716569"
     }
   }
 }
```

4.2.6.9.2   Verification by phone number response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "data": {
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": false,
       "remaining-number-of-attempts": 4,
       "remaining-expiration-time": 0
     }
   }
 }
```

4.2.6.9.3   Verification request by sms

```
POST /api/rest/v1/auth/sms-verification-code HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": {
     "id": "48f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655"
     }
   }
 }
```

4.2.6.9.4   Verification by sms number response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
   "data": {
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": true,
       "remaining-number-of-attempts": 2,
       "remaining-delay-time": 20,
       "remaining-expiration-time": 1800
     }
   }
 }
```

4.2.6.10 Cookies

4.2.6.10.1 Cookies request

```
POST /api/rest/v1/cookies HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": [
     {
       "type": "cookie",
       "id": "shopId",
       "attributes": {
         "name": "shopId",
         "value": "1234"
       }
     },
     {
       "type": "cookie",
       "id": "ns_dev_id",
       "attributes": {
         "name": "ns_dev_id",
         "value": "device_id"
       }
     }
   ]
 }
```

4.2.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

4.2.6.11 Documentation

Returns list of Json Schemas for request and response for requested rest endpoint. Use exact endpoint plus schema url parameter. For example, /api/rest/v1/vouchers?schema will return json schemas for /api/rest/v1/vouchers endpoint.

4.2.6.11.1 Documentation request

```
GET /api/rest/v1/vouchers?schema HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.2.6.11.2 Documentation response

Complete Response is omitted because of size , here is just a part :

```
HTTP/1.1 200 OK

{
   "required": [
     "createdDate",
     "notificationStatus",
     "notificationTarget",
     "notificationType",
     "orderFeeTotal",
     "orderPriceTotal",
     "orderStatus",
     "orderTaxTotal",
     "paymentMethod",
     "paymentProvider",
     "paymentStatus",
     "shortId",
     "voucherCode",
     "voucherCurrency",
     "voucherStatus",
     "voucherValue"
   ]
 }
```

4.2.6.12 i18 internationalization

✓ *Retrieves i18next json based on requested language*

4.2.6.12.1 i18 request

```
GET api/rest/v1/content/i18next.json/de HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3 Edge Service

The Edge Service provides the interface between the public REST API and internal AMQP API.

4.3.1 TODO

4.3.1.1 TODO version 1.0

✓ *[x] Test environment and credentials*

- ✓ *[x] specify voucher content fields*
- ✓ *[x] specify voucher pricing fields*
- ✓ *[x] specify payment method fields*

4.3.1.2 TODO version 1.0-next

- ✓ *[ ] refactor entities and apply relationships*
- ✓ *[ ] provide full resource schemas*
- ✓ *[ ] enforce validation of resource schemas*

4.3.2 Test environment and credentials

TODO

Username	Password	Description
test@test.org	**test**	**just protected**
test@gmail.com	**test**	**just testing**
testtest	**test**	**qa**

4.3.3 Edge Service Registry

The Edge Service Registry is responsible to maintain an index of all currently available Edge Services and configure all its known [Load-Balancers] accordingly.

> *As of writing no hosting solution has been chosen yet. Therefor the actual API which is used to configure the load-balancers remains unspecified for now.*

All Edge Service Instances **must** register themselves on the registry on startup and un-register on shutdown.

4.3.4 Edge Service Relay

Every Edge Service will be provided with a local relay connecting its instances to the central Message Broker cluster. The message exchange routing of the relay is configured in such a way, that only messages relevant to its connected Edge Services is routed to it from the broker cluster.

> *See [Message Relay] for more information.*

4.3.5 Edge Service Client

Each Service that is to be served by the Edge Service is represented by a so-called Edge Service Client. It is responsible to provide the implementation of the public REST API for that given service.

4.3.6 ReST API

The Edge Service API acts as translation layer between the Services and the Frontend. The actual logic is implemented in separate [Edge Service Client]s for each individual Service consumed by the API or API endpoint provided by the API, respectively.

All public-facing endpoints **must** adhere to the [JSONAPI] specification and be subject to strict [Access Control].

4.3.6.1 Login

4.3.6.1.1 Login request

Variables	Description	Example
ICP_SHOP_ID	see [Test environment and credentials]	
ICP_SHOP_PASSPHRASE	see [Test environment and credentials]	
ICP_SHOP_DIGEST	Derived from ${ICP_SHOP_ID} and ${ICP_SHOP_PASSPHRASE}	MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl

```
POST /api/rest/v1/auth/login HTTP/1.1
 Authorization: Basic ${ICP_SHOP_DIGEST}
 Accept: application/vnd.api+json
```

4.3.6.1.2 Login response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json
```

4.3.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTM4My0M2E0LWI1MDYtYmUwZjYwMzJiZDY5	master.env.api.shop1.rocks	/	Seassion	true	false

4.3.6.2 Logout

4.3.6.2.1 Logout request

Variables	Description	Example

```
POST /api/rest/v1/auth/logout HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3.6.2.2   Logout response

```
HTTP/1.1 204 No Content
```

4.3.6.3   Voucher list

See [VoucherWebList] method in the [Mimas integration] documentation for the source of these fields.

4.3.6.3.1 Voucher list request

```
GET /api/rest/v1/vouchers HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3.6.3.2 Voucher list response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
    "data":[
        {
            "id":"f634f09f-9a06-4297-a326-0d703938b702",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL10",
                "currency":"EUR",
                "ean-code":"8717472242211",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 10 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 10",
                "value":10.0,
                "price-total":11.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods": {
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
                        "name":"PayPal",
                        "provider-name":"Wirecard"
                    }
                }
            }
        },
        {
            "id":"a3473e20-19b4-44fe-8389-67a511854759",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL15",
                "currency":"EUR",
                "ean-code":"8717472242129",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 15 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 15",
                "value":15.0,
                "price-total":16.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods":[
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
```

```
                "name":"PayPal",
                "provider-name":"Wirecard"
            }
        ]
    }
}
        ]
}
```

4.3.6.4   Voucher detail

4.3.6.4.1   Voucher detail request

```
GET /api/rest/v1/vouchers/:voucher-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3.6.4.2   Voucher detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
    "data":{
        "id":"f634f09f-9a06-4297-a326-0d703938b702",
        "type":"voucher",
        "attributes":{
            "code":"LEBALLINNL10",
            "currency":"EUR",
            "ean-code":"8717472242211",
            "encryption-type":0,
            "kind":0,
            "name":"Lebara All-in NL 10 EUR",
            "provider-code":"LEBARA",
            "provider-name":"Lebara",
            "short-name":"All-in NL 10",
            "value":10.0,
            "price-total":11.99,
            "price-tax":0.00,
            "price-fee":1.99,
            "payment-methods": {
                "wirecard-creditcard":{
                    "name":"Credit Card",
                    "provider-name":"Wirecard",
                    "image-url":"https://wirecard.com/logo.png"
                },
                "wirecard-paypal":{
                    "name":"PayPal",
                    "provider-name":"Wirecard"
                }
            }
        }
    }
 }
```

4.3.6.5   Voucher order

See [VoucherWebReserve] method in the [Mimas integration] documentation for the source of these fields.

4.3.6.5.1   Voucher order request

| Variables | Description | Example | | ----------------------| ---
| --- | |

```
POST /api/rest/v1/voucher-orders HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "voucher-code": "VODADE15"
       "payment-method": "Wirecard VISA",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "provider-text-url": "https://provider.texts",


       "order-success-redirect-url": "/success",
       "order-failed-redirect-url": "failed",
       "order-canceled-redirect-url": "/cancel"

     }
   }
 }
```

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c
type	string	n/a	type of request, must be "voucher-order", "voucher-order"	
voucher-code	string	n/a	code of the voucher gathered from voucher list	"VODADE15"
payment-method	string	n/a	on of the allowed methods for the voucher, denoted in voucher list response	"Wirecard VISA"
notification-type	string	currently only "email" is supported	type of the notification target	"email"
notification-target	string	n/a	target adress	"me@my-email.com"

field name	type	constrains	description	example
order-success-redirect-url	string	valid URL	Where the wirecard should redirect if payment was successfull	protect
order-failed-redirect-url	string	valid URL	Where the wirecard should redirect if payment fails	protect
order-canceled-redirect-url	string	valid URL	Where the wirecard should redirect if payment was canceled	protect

4.3.6.5.2   Voucher order response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 0.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "0",
       "batch-number": "1234"
     }
   }
 }
```

4.3.6.6   Voucher order detail

4.3.6.6.1   Voucher order detail request

```
GET /api/rest/v1/voucher-orders/:order-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3.6.6.2   Voucher order detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 1.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "1611313953175"
     }
   }
 }
```

4.3.6.7   Provider Text

See [GetProvicerTexts] method in the [Mimas integration] documentation for the source of these fields.

4.3.6.7.1   Provider Text request

Variables	Description	Example

```
GET /api/rest/v1/provider-texts/ HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


GET /api/rest/v1/provider-texts/:provider-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3.6.7.2   Provider Text response

```json
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": [
     {
       "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "title",
         "title": "Produktname",
         "body": "About You-Geschenkkarte"
       }
     },
     {
       "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "subtitle",
         "title": "Slogan",
         "body": "Hol Dir per E-Mail eine About You-Geschenkkarte."
       }
     }
   ]
 }
```

4.3.6.8   Content

See [Content Service] for more information on the source of these fields.

4.3.6.8.1   Content request

Variables	Description	Example

```
GET /api/rest/v1/content/i18next.json HTTP/1.1
 Authorization: No Auth
 Accept: application/json
```

4.3.6.8.2 Content response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "en": {
     "world.hello": "Hello, World!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Cancel",
     "radio.options": {
       "option-1": "Selection 1",
       "option-2": "Selection 2",
     }
   },
   "de": {
     "world.hello": "Hallo, Welt!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Abbrechen"
     "radio.options": {
       "option-1": "Auswahl 1",
       "option-2": "Auswahl 2",
     }
   }
 }
```

4.3.6.9 Verification

See for more information on the source of these fields.

4.3.6.9.1   Verification request by phone number

```
POST /api/rest/v1//auth/phone-number-verification HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


    {
   "data": {
     "id": "38f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "sms-confirmation-code": "716569"
     }
   }
 }
```

4.3.6.9.2   Verification by phone number response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "data": {
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": false,
       "remaining-number-of-attempts": 4,
       "remaining-expiration-time": 0
     }
   }
 }
```

4.3.6.9.3   Verification request by sms

```
POST /api/rest/v1/auth/sms-verification-code HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": {
     "id": "48f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655"
     }
   }
 }
```

4.3.6.9.4   Verification by sms number response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
   "data": {
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": true,
       "remaining-number-of-attempts": 2,
       "remaining-delay-time": 20,
       "remaining-expiration-time": 1800
     }
   }
 }
```

4.3.6.10 Cookies

4.3.6.10.1 Cookies request

```
POST /api/rest/v1/cookies HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": [
     {
       "type": "cookie",
       "id": "shopId",
       "attributes": {
         "name": "shopId",
         "value": "1234"
       }
     },
     {
       "type": "cookie",
       "id": "ns_dev_id",
       "attributes": {
         "name": "ns_dev_id",
         "value": "device_id"
       }
     }
   ]
 }
```

4.3.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

4.3.6.11 Documentation

Returns list of Json Schemas for request and response for requested rest endpoint. Use exact endpoint plus schema url parameter. For example, /api/rest/v1/vouchers?schema will return json schemas for /api/rest/v1/vouchers endpoint.

4.3.6.11.1 Documentation request

```
GET /api/rest/v1/vouchers?schema HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.3.6.11.2 Documentation response

Complete Response is omitted because of size , here is just a part :

```
HTTP/1.1 200 OK

{
   "required": [
     "createdDate",
     "notificationStatus",
     "notificationTarget",
     "notificationType",
     "orderFeeTotal",
     "orderPriceTotal",
     "orderStatus",
     "orderTaxTotal",
     "paymentMethod",
     "paymentProvider",
     "paymentStatus",
     "shortId",
     "voucherCode",
     "voucherCurrency",
     "voucherStatus",
     "voucherValue"
   ]
 }
```

4.3.6.12 i18 internationalization

✓ *Retrieves i18next json based on requested language*

4.3.6.12.1 i18 request

```
GET api/rest/v1/content/i18next.json/de HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4   Edge Service

The Edge Service provides the interface between the public REST API and internal AMQP API.

4.4.1   TODO

4.4.1.1   TODO version 1.0

✓ *[x] Test environment and credentials*

- ✓ *[x] specify voucher content fields*
- ✓ *[x] specify voucher pricing fields*
- ✓ *[x] specify payment method fields*

4.4.1.2   TODO version 1.0-next

- ✓ *[ ] refactor entities and apply relationships*
- ✓ *[ ] provide full resource schemas*
- ✓ *[ ] enforce validation of resource schemas*

4.4.2   Test environment and credentials

TODO

Username	Password	Description
test@test.org	test	just protected
test@gmail.com	test	just testing
testtest	test	qa

4.4.3   Edge Service Registry

The Edge Service Registry is responsible to maintain an index of all currently available Edge Services and configure all its known [Load-Balancers] accordingly.

> *As of writing no hosting solution has been chosen yet. Therefor the actual API which is used to configure the load-balancers remains unspecified for now.*

All Edge Service Instances **must** register themselves on the registry on startup and un-register on shutdown.

4.4.4   Edge Service Relay

Every Edge Service will be provided with a local relay connecting its instances to the central Message Broker cluster. The message exchange routing of the relay is configured in such a way, that only messages relevant to its connected Edge Services is routed to it from the broker cluster.

> *See [Message Relay] for more information.*

4.4.5   Edge Service Client

Each Service that is to be served by the Edge Service is represented by a so-called Edge Service Client. It is responsible to provide the implementation of the public REST API for that given service.

4.4.6 ReST API

The Edge Service API acts as translation layer between the Services and the Frontend. The actual logic is implemented in separate [Edge Service Client]s for each individual Service consumed by the API or API endpoint provided by the API, respectively.

All public-facing endpoints **must** adhere to the [JSONAPI] specification and be subject to strict [Access Control].

4.4.6.1 Login

4.4.6.1.1 Login request

Variables	Description	Example
ICP_SHOP_ID	see [Test environment and credentials]	
ICP_SHOP_PASSPHRASE	see [Test environment and credentials]	
ICP_SHOP_DIGEST	Derived from ${ICP_SHOP_ID} and ${ICP_SHOP_PASSPHRASE}	MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl

```
POST /api/rest/v1/auth/login HTTP/1.1
 Authorization: Basic ${ICP_SHOP_DIGEST}
 Accept: application/vnd.api+json
```

4.4.6.1.2 Login response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json
```

4.4.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTM4My00M2E0LWI1MDYtYmUwZjYwMzJiZDY5	master.env.api.shop1.rocks	/	Seassion	true	false

4.4.6.2 Logout

4.4.6.2.1 Logout request

Variables	Description	Example

```
POST /api/rest/v1/auth/logout HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4.6.2.2   Logout response

```
HTTP/1.1 204 No Content
```

4.4.6.3   Voucher list

See [VoucherWebList] method in the [Mimas integration] documentation for the source of these fields.

4.4.6.3.1 Voucher list request

```
GET /api/rest/v1/vouchers HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4.6.3.2 Voucher list response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
    "data":[
        {
            "id":"f634f09f-9a06-4297-a326-0d703938b702",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL10",
                "currency":"EUR",
                "ean-code":"8717472242211",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 10 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 10",
                "value":10.0,
                "price-total":11.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods": {
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
                        "name":"PayPal",
                        "provider-name":"Wirecard"
                    }
                }
            }
        },
        {
            "id":"a3473e20-19b4-44fe-8389-67a511854759",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL15",
                "currency":"EUR",
                "ean-code":"8717472242129",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 15 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 15",
                "value":15.0,
                "price-total":16.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods":[
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
```

```
            "name":"PayPal",
            "provider-name":"Wirecard"
        }
    ]
}
    }
  ]
}
```

4.4.6.4   Voucher detail

4.4.6.4.1   Voucher detail request

```
GET /api/rest/v1/vouchers/:voucher-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4.6.4.2   Voucher detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
    "data":{
        "id":"f634f09f-9a06-4297-a326-0d703938b702",
        "type":"voucher",
        "attributes":{
            "code":"LEBALLINNL10",
            "currency":"EUR",
            "ean-code":"8717472242211",
            "encryption-type":0,
            "kind":0,
            "name":"Lebara All-in NL 10 EUR",
            "provider-code":"LEBARA",
            "provider-name":"Lebara",
            "short-name":"All-in NL 10",
            "value":10.0,
            "price-total":11.99,
            "price-tax":0.00,
            "price-fee":1.99,
            "payment-methods": {
                "wirecard-creditcard":{
                    "name":"Credit Card",
                    "provider-name":"Wirecard",
                    "image-url":"https://wirecard.com/logo.png"
                },
                "wirecard-paypal":{
                    "name":"PayPal",
                    "provider-name":"Wirecard"
                }
            }
        }
    }
 }
```

4.4.6.5   Voucher order

See [VoucherWebReserve] method in the [Mimas integration] documentation for the source of these fields.

4.4.6.5.1   Voucher order request

| Variables | Description | Example | | ----------------------| -- | -- | |

```
POST /api/rest/v1/voucher-orders HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "voucher-code": "VODADE15"
       "payment-method": "Wirecard VISA",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "provider-text-url": "https://provider.texts",


       "order-success-redirect-url": "/success",
       "order-failed-redirect-url": "failed",
       "order-canceled-redirect-url": "/cancel"

     }
   }
 }
```

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c
type	string	n/a	type of request, must be "voucher-order", "voucher-order"	
voucher-code	string	n/a	code of the voucher gathered from voucher list	"VODADE15"
payment-method	string	n/a	on of the allowed methods for the voucher, denoted in voucher list response	"Wirecard VISA"
notification-type	string	currently only "email" is supported	type of the notification target	"email"
notification-target	string	n/a	target adress	"me@my-email.com"

field name	type	constrains	description	example
order-success-redirect-url	string	valid URL	Where the wirecard should redirect if payment was successfull	protect
order-failed-redirect-url	string	valid URL	Where the wirecard should redirect if payment fails	protect
order-canceled-redirect-url	string	valid URL	Where the wirecard should redirect if payment was canceled	protect

4.4.6.5.2   Voucher order response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 0.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "0",
       "batch-number": "1234"
     }
   }
 }
```

4.4.6.6   Voucher order detail

4.4.6.6.1   Voucher order detail request

```
GET /api/rest/v1/voucher-orders/:order-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4.6.6.2   Voucher order detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 1.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "1611313953175"
     }
   }
 }
```

4.4.6.7   Provider Text

See [GetProvicerTexts] method in the [Mimas integration] documentation for the source of these fields.

4.4.6.7.1   Provider Text request

Variables	Description	Example

```
GET /api/rest/v1/provider-texts/ HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


GET /api/rest/v1/provider-texts/:provider-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4.6.7.2   Provider Text response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": [
     {
       "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "title",
         "title": "Produktname",
         "body": "About You-Geschenkkarte"
       }
     },
     {
       "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "subtitle",
         "title": "Slogan",
         "body": "Hol Dir per E-Mail eine About You-Geschenkkarte."
       }
     }
   ]
 }
```

4.4.6.8   Content

See [Content Service] for more information on the source of these fields.

4.4.6.8.1   Content request

Variables	Description	Example

```
GET /api/rest/v1/content/i18next.json HTTP/1.1
 Authorization: No Auth
 Accept: application/json
```

4.4.6.8.2 Content response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "en": {
     "world.hello": "Hello, World!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Cancel",
     "radio.options": {
       "option-1": "Selection 1",
       "option-2": "Selection 2",
     }
   },
   "de": {
     "world.hello": "Hallo, Welt!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Abbrechen"
     "radio.options": {
       "option-1": "Auswahl 1",
       "option-2": "Auswahl 2",
     }
   }
 }
```

4.4.6.9 Verification

See for more information on the source of these fields.

4.4.6.9.1   Verification request by phone number

```
POST /api/rest/v1//auth/phone-number-verification HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


   {
   "data": {
     "id": "38f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "sms-confirmation-code": "716569"
     }
   }
 }
```

4.4.6.9.2   Verification by phone number response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "data": {
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": false,
       "remaining-number-of-attempts": 4,
       "remaining-expiration-time": 0
     }
   }
 }
```

4.4.6.9.3   Verification request by sms

```
POST /api/rest/v1/auth/sms-verification-code HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": {
     "id": "48f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655"
     }
   }
 }
```

4.4.6.9.4   Verification by sms number response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
   "data": {
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": true,
       "remaining-number-of-attempts": 2,
       "remaining-delay-time": 20,
       "remaining-expiration-time": 1800
     }
   }
 }
```

4.4.6.10 Cookies

4.4.6.10.1 Cookies request

```
POST /api/rest/v1/cookies HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": [
     {
       "type": "cookie",
       "id": "shopId",
       "attributes": {
         "name": "shopId",
         "value": "1234"
       }
     },
     {
       "type": "cookie",
       "id": "ns_dev_id",
       "attributes": {
         "name": "ns_dev_id",
         "value": "device_id"
       }
     }
   ]
 }
```

4.4.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

4.4.6.11 Documentation

Returns list of Json Schemas for request and response for requested rest endpoint. Use exact endpoint plus schema url parameter. For example, /api/rest/v1/vouchers?schema will return json schemas for /api/rest/v1/vouchers endpoint.

4.4.6.11.1 Documentation request

```
GET /api/rest/v1/vouchers?schema HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.4.6.11.2 Documentation response

Complete Response is omitted because of size , here is just a part :

```
HTTP/1.1 200 OK

{
   "required": [
     "createdDate",
     "notificationStatus",
     "notificationTarget",
     "notificationType",
     "orderFeeTotal",
     "orderPriceTotal",
     "orderStatus",
     "orderTaxTotal",
     "paymentMethod",
     "paymentProvider",
     "paymentStatus",
     "shortId",
     "voucherCode",
     "voucherCurrency",
     "voucherStatus",
     "voucherValue"
   ]
 }
```

4.4.6.12 i18 internationalization

✓ *Retrieves i18next json based on requested language*

4.4.6.12.1 i18 request

```
GET api/rest/v1/content/i18next.json/de HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5 Edge Service

The Edge Service provides the interface between the public REST API and internal AMQP API.

4.5.1 TODO

4.5.1.1 TODO version 1.0

✓ *[x] Test environment and credentials*

- ✓ *[x] specify voucher content fields*
- ✓ *[x] specify voucher pricing fields*
- ✓ *[x] specify payment method fields*

4.5.1.2 TODO version 1.0-next

- ✓ *[ ] refactor entities and apply relationships*
- ✓ *[ ] provide full resource schemas*
- ✓ *[ ] enforce validation of resource schemas*

4.5.2 Test environment and credentials

TODO

Username	Password	Description
test@test.org	test	just protected
test@gmail.com	test	just testing
testtest	test	qa

4.5.3 Edge Service Registry

The Edge Service Registry is responsible to maintain an index of all currently available Edge Services and configure all its known [Load-Balancers] accordingly.

> *As of writing no hosting solution has been chosen yet. Therefor the actual API which is used to configure the load-balancers remains unspecified for now.*

All Edge Service Instances **must** register themselves on the registry on startup and un-register on shutdown.

4.5.4 Edge Service Relay

Every Edge Service will be provided with a local relay connecting its instances to the central Message Broker cluster. The message exchange routing of the relay is configured in such a way, that only messages relevant to its connected Edge Services is routed to it from the broker cluster.

> *See [Message Relay] for more information.*

4.5.5 Edge Service Client

Each Service that is to be served by the Edge Service is represented by a so-called Edge Service Client. It is responsible to provide the implementation of the public REST API for that given service.

4.5.6   ReST API

The Edge Service API acts as translation layer between the Services and the Frontend. The actual logic is implemented in separate [Edge Service Client]s for each individual Service consumed by the API or API endpoint provided by the API, respectively.

All public-facing endpoints **must** adhere to the [JSONAPI] specification and be subject to strict [Access Control].

4.5.6.1   Login

4.5.6.1.1   Login request

Variables	Description	Example
ICP_SHOP_ID	see [Test environment and credentials]	
ICP_SHOP_PASSPHRASE	see [Test environment and credentials]	
ICP_SHOP_DIGEST	Derived from ${ICP_SHOP_ID} and ${ICP_SHOP_PASSPHRASE}	MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl

```
POST /api/rest/v1/auth/login HTTP/1.1
 Authorization: Basic ${ICP_SHOP_DIGEST}
 Accept: application/vnd.api+json
```

4.5.6.1.2   Login response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json
```

4.5.6.1.3   Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTM4My00M2E0LWI1MDYtYmUwZjYwMzJiZDY5	master.env.api.shop1.rocks	/	Seassion	true	false

4.5.6.2   Logout

4.5.6.2.1   Logout request

Variables	Description	Example

```
POST /api/rest/v1/auth/logout HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5.6.2.2   Logout response

```
HTTP/1.1 204 No Content
```

4.5.6.3   Voucher list

See [VoucherWebList] method in the [Mimas integration] documentation for the source of these fields.

4.5.6.3.1 Voucher list request

```
GET /api/rest/v1/vouchers HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5.6.3.2 Voucher list response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
    "data":[
        {
            "id":"f634f09f-9a06-4297-a326-0d703938b702",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL10",
                "currency":"EUR",
                "ean-code":"8717472242211",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 10 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 10",
                "value":10.0,
                "price-total":11.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods": {
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
                        "name":"PayPal",
                        "provider-name":"Wirecard"
                    }
                }
            }
        },
        {
            "id":"a3473e20-19b4-44fe-8389-67a511854759",
            "type":"voucher",
            "attributes":{
                "code":"LEBALLINNL15",
                "currency":"EUR",
                "ean-code":"8717472242129",
                "encryption-type":0,
                "kind":0,
                "name":"Lebara All-in NL 15 EUR",
                "provider-code":"LEBARA",
                "provider-name":"Lebara",
                "short-name":"All-in NL 15",
                "value":15.0,
                "price-total":16.99,
                "price-tax":0.00,
                "price-fee":1.99,
                "payment-methods":[
                    "wirecard-creditcard":{
                        "name":"Credit Card",
                        "provider-name":"Wirecard",
                        "image-url":"https://wirecard.com/logo.png"
                    }
                    "wirecard-paypal":{
```

```
            "name":"PayPal",
            "provider-name":"Wirecard"
        }
    ]
}
    }
  ]
}
```

4.5.6.4   Voucher detail

4.5.6.4.1   Voucher detail request

```
GET /api/rest/v1/vouchers/:voucher-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5.6.4.2   Voucher detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
    "data":{
        "id":"f634f09f-9a06-4297-a326-0d703938b702",
        "type":"voucher",
        "attributes":{
            "code":"LEBALLINNL10",
            "currency":"EUR",
            "ean-code":"8717472242211",
            "encryption-type":0,
            "kind":0,
            "name":"Lebara All-in NL 10 EUR",
            "provider-code":"LEBARA",
            "provider-name":"Lebara",
            "short-name":"All-in NL 10",
            "value":10.0,
            "price-total":11.99,
            "price-tax":0.00,
            "price-fee":1.99,
            "payment-methods": {
                "wirecard-creditcard":{
                    "name":"Credit Card",
                    "provider-name":"Wirecard",
                    "image-url":"https://wirecard.com/logo.png"
                },
                "wirecard-paypal":{
                    "name":"PayPal",
                    "provider-name":"Wirecard"
                }
            }
        }
    }
 }
```

4.5.6.5   Voucher order

See [VoucherWebReserve] method in the [Mimas integration] documentation for the source of these fields.

4.5.6.5.1   Voucher order request
| Variables | Description | Example | | ----------------------| -- | --- | |

```
POST /api/rest/v1/voucher-orders HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "voucher-code": "VODADE15"
       "payment-method": "Wirecard VISA",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "provider-text-url": "https://provider.texts",


       "order-success-redirect-url": "/success",
       "order-failed-redirect-url": "failed",
       "order-canceled-redirect-url": "/cancel"

     }
   }
 }
```

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c
type	string	n/a	type of request, must be "voucher-order", "voucher-order"	
voucher-code	string	n/a	code of the voucher gathered from voucher list	"VODADE15"
payment-method	string	n/a	on of the allowed methods for the voucher, denoted in voucher list response	"Wirecard VISA"
notification-type	string	currently only "email" is supported	type of the notification target	"email"
notification-target	string	n/a	target adress	"me@my-email.com"

field name	type	constrains	description	example
order-success-redirect-url	string	valid URL	Where the wirecard should redirect if payment was successfull	protect
order-failed-redirect-url	string	valid URL	Where the wirecard should redirect if payment fails	protect
order-canceled-redirect-url	string	valid URL	Where the wirecard should redirect if payment was canceled	protect

4.5.6.5.2   Voucher order response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 0.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "0",
       "batch-number": "1234"
     }
   }
 }
```

4.5.6.6   Voucher order detail

4.5.6.6.1 Voucher order detail request

```
GET /api/rest/v1/voucher-orders/:order-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5.6.6.2 Voucher order detail response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json

{
   "data": {
     "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c",
     "type": "voucher-order",
     "attributes": {
       "notification-status": "pending",
       "confirmation-status": "pending",
       "notification-type": "email",
       "notification-target": "me@my-email.com",
       "payment-provider": "wirecard",
       "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-
h0mLD2zDgf26ptjxSNRiKFiIlM",
       "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc",
       "payment-status": "pending",
       "payment-method": "creditcard",
       "voucher-code": "LEBALLINNL10",
       "voucher-currency": "EUR",
       "voucher-value": 10.0,
       "voucher-status": "pending",
       "order-price-total": 11.99,
       "order-tax-total": 0.00,
       "order-fee-total": 1.99,
       "order-status": "pending",
       "serial-number": "1234",
       "confirmation-date": "1611313953175"
     }
   }
 }
```

4.5.6.7 Provider Text

See [GetProvicerTexts] method in the [Mimas integration] documentation for the source of these fields.

4.5.6.7.1 Provider Text request

Variables	Description	Example

```
GET /api/rest/v1/provider-texts/ HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


GET /api/rest/v1/provider-texts/:provider-id HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5.6.7.2   Provider Text response

```
HTTP/1.1 201 Created
 Content-Type: application/vnd.api+json

{
   "data": [
     {
       "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "title",
         "title": "Produktname",
         "body": "About You-Geschenkkarte"
       }
     },
     {
       "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81",
       "type": "voucher-text",
       "attributes": {
         "provider-code": "ABOUTYOU",
         "kind": "subtitle",
         "title": "Slogan",
         "body": "Hol Dir per E-Mail eine About You-Geschenkkarte."
       }
     }
   ]
 }
```

4.5.6.8   Content

See [Content Service] for more information on the source of these fields.

4.5.6.8.1   Content request

Variables	Description	Example

```
GET /api/rest/v1/content/i18next.json HTTP/1.1
 Authorization: No Auth
 Accept: application/json
```

4.5.6.8.2   Content response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "en": {
     "world.hello": "Hello, World!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Cancel",
     "radio.options": {
       "option-1": "Selection 1",
       "option-2": "Selection 2",
     }
   },
   "de": {
     "world.hello": "Hallo, Welt!",
     "example.text": "Lorem ipsum dolor sit amet...",
     "button.cancel": "Abbrechen"
     "radio.options": {
       "option-1": "Auswahl 1",
       "option-2": "Auswahl 2",
     }
   }
 }
```

4.5.6.9   Verification

See for more information on the source of these fields.

4.5.6.9.1   Verification request by phone number

```
POST /api/rest/v1//auth/phone-number-verification HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json


   {
   "data": {
     "id": "38f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "sms-confirmation-code": "716569"
     }
   }
 }
```

4.5.6.9.2   Verification by phone number response

```
HTTP/1.1 200 OK
 Content-Type: application/json

{
   "data": {
     "type": "phone-number-verification",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": false,
       "remaining-number-of-attempts": 4,
       "remaining-expiration-time": 0
     }
   }
 }
```

4.5.6.9.3   Verification request by sms

```
POST /api/rest/v1/auth/sms-verification-code HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": {
     "id": "48f4dfef-9baa-4302-831f-e41df4ce4084",
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655"
     }
   }
 }
```

4.5.6.9.4   Verification by sms number response

```
HTTP/1.1 200 OK
 Content-Type: application/vnd.api+json
```

```
{
   "data": {
     "type": "sms-verification-code",
     "attributes": {
       "phone-number": "+381691994655",
       "ok": true,
       "remaining-number-of-attempts": 2,
       "remaining-delay-time": 20,
       "remaining-expiration-time": 1800
     }
   }
 }
```

4.5.6.10 Cookies

4.5.6.10.1 Cookies request

```
POST /api/rest/v1/cookies HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json

 {
   "data": [
     {
       "type": "cookie",
       "id": "shopId",
       "attributes": {
         "name": "shopId",
         "value": "1234"
       }
     },
     {
       "type": "cookie",
       "id": "ns_dev_id",
       "attributes": {
         "name": "ns_dev_id",
         "value": "device_id"
       }
     }
   ]
 }
```

4.5.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

4.5.6.11 Documentation

Returns list of Json Schemas for request and response for requested rest endpoint. Use exact endpoint plus schema url parameter. For example, /api/rest/v1/vouchers?schema will return json schemas for /api/rest/v1/vouchers endpoint.

4.5.6.11.1 Documentation request

```
GET /api/rest/v1/vouchers?schema HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

4.5.6.11.2 Documentation response
Complete Response is omitted because of size , here is just a part :

```
HTTP/1.1 200 OK

{
   "required": [
     "createdDate",
     "notificationStatus",
     "notificationTarget",
     "notificationType",
     "orderFeeTotal",
     "orderPriceTotal",
     "orderStatus",
     "orderTaxTotal",
     "paymentMethod",
     "paymentProvider",
     "paymentStatus",
     "shortId",
     "voucherCode",
     "voucherCurrency",
     "voucherStatus",
     "voucherValue"
   ]
 }
```

4.5.6.12 i18 internationalization

✓ *Retrieves i18next json based on requested language*

4.5.6.12.1 i18 request

```
GET api/rest/v1/content/i18next.json/de HTTP/1.1
 Authorization: No Auth
 Accept: application/vnd.api+json
```

Figure 1: Last Page