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# Introduction

## References

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# Big

## Edge Service

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

### TODO

#### TODO version 1.0

* [x] Test environment and credentials
* [x] specify voucher content fields
* [x] specify voucher pricing fields
* [x] specify payment method fields

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

| Username | Password | Description |
| --- | --- | --- |
| [test@test.org](mailto:test@test.org) | test | just protected |
| [test@gmail.com](mailto:test@gmail.com) | test | just testing |
| testtest | test | qa |

### 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.

### 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.

### 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.

### 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].

#### Login

##### 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

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### 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"
}
]
}
}
]
}

#### Voucher detail

##### Voucher detail request

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

##### 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"
}
}
}
}
}

#### Voucher order

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

##### 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](mailto:me@my-email.com)" |
| 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 |

##### 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"
}
}
}

#### Voucher order detail

##### Voucher order detail request

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

##### 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"
}
}
}

#### Provider Text

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

##### 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

##### 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."
}
}
]
}

#### Content

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

##### Content request

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

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

##### 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",
}
}
}

#### Verification

See for more information on the source of these fields.

##### 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"
}
}
}

##### 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
}
}
}

##### 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"
}
}
}

##### 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
}
}
}

#### Cookies

##### 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"
}
}
]
}

##### Cookies response

HTTP/1.1 200 OK

#### 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.

##### Documentation request

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

##### 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"
]
}

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

* [x] Test environment and credentials
* [x] specify voucher content fields
* [x] specify voucher pricing fields
* [x] specify payment method fields

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

| Username | Password | Description |
| --- | --- | --- |
| [test@test.org](mailto:test@test.org) | test | just protected |
| [test@gmail.com](mailto:test@gmail.com) | test | just testing |
| testtest | test | qa |

### 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.

### 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.

### 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.

### 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].

#### Login

##### 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

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### 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"
}
]
}
}
]
}

#### Voucher detail

##### Voucher detail request

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

##### 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"
}
}
}
}
}

#### Voucher order

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

##### 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](mailto:me@my-email.com)" |
| 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 |

##### 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"
}
}
}

#### Voucher order detail

##### Voucher order detail request

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

##### 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"
}
}
}

#### Provider Text

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

##### 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

##### 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."
}
}
]
}

#### Content

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

##### Content request

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

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

##### 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",
}
}
}

#### Verification

See for more information on the source of these fields.

##### 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"
}
}
}

##### 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
}
}
}

##### 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"
}
}
}

##### 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
}
}
}

#### Cookies

##### 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"
}
}
]
}

##### Cookies response

HTTP/1.1 200 OK

#### 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.

##### Documentation request

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

##### 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"
]
}

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

* [x] Test environment and credentials
* [x] specify voucher content fields
* [x] specify voucher pricing fields
* [x] specify payment method fields

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

| Username | Password | Description |
| --- | --- | --- |
| [test@test.org](mailto:test@test.org) | test | just protected |
| [test@gmail.com](mailto:test@gmail.com) | test | just testing |
| testtest | test | qa |

### 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.

### 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.

### 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.

### 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].

#### Login

##### 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

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### 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"
}
]
}
}
]
}

#### Voucher detail

##### Voucher detail request

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

##### 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"
}
}
}
}
}

#### Voucher order

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

##### 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](mailto:me@my-email.com)" |
| 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 |

##### 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"
}
}
}

#### Voucher order detail

##### Voucher order detail request

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

##### 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"
}
}
}

#### Provider Text

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

##### 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

##### 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."
}
}
]
}

#### Content

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

##### Content request

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

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

##### 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",
}
}
}

#### Verification

See for more information on the source of these fields.

##### 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"
}
}
}

##### 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
}
}
}

##### 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"
}
}
}

##### 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
}
}
}

#### Cookies

##### 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"
}
}
]
}

##### Cookies response

HTTP/1.1 200 OK

#### 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.

##### Documentation request

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

##### 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"
]
}

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

* [x] Test environment and credentials
* [x] specify voucher content fields
* [x] specify voucher pricing fields
* [x] specify payment method fields

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

| Username | Password | Description |
| --- | --- | --- |
| [test@test.org](mailto:test@test.org) | test | just protected |
| [test@gmail.com](mailto:test@gmail.com) | test | just testing |
| testtest | test | qa |

### 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.

### 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.

### 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.

### 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].

#### Login

##### 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

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### 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"
}
]
}
}
]
}

#### Voucher detail

##### Voucher detail request

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

##### 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"
}
}
}
}
}

#### Voucher order

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

##### 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](mailto:me@my-email.com)" |
| 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 |

##### 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"
}
}
}

#### Voucher order detail

##### Voucher order detail request

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

##### 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"
}
}
}

#### Provider Text

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

##### 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

##### 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."
}
}
]
}

#### Content

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

##### Content request

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

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

##### 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",
}
}
}

#### Verification

See for more information on the source of these fields.

##### 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"
}
}
}

##### 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
}
}
}

##### 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"
}
}
}

##### 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
}
}
}

#### Cookies

##### 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"
}
}
]
}

##### Cookies response

HTTP/1.1 200 OK

#### 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.

##### Documentation request

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

##### 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"
]
}

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

* [x] Test environment and credentials
* [x] specify voucher content fields
* [x] specify voucher pricing fields
* [x] specify payment method fields

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

| Username | Password | Description |
| --- | --- | --- |
| [test@test.org](mailto:test@test.org) | test | just protected |
| [test@gmail.com](mailto:test@gmail.com) | test | just testing |
| testtest | test | qa |

### 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.

### 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.

### 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.

### 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].

#### Login

##### 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

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### 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"
}
]
}
}
]
}

#### Voucher detail

##### Voucher detail request

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

##### 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"
}
}
}
}
}

#### Voucher order

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

##### 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](mailto:me@my-email.com)" |
| 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 |

##### 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"
}
}
}

#### Voucher order detail

##### Voucher order detail request

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

##### 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"
}
}
}

#### Provider Text

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

##### 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

##### 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."
}
}
]
}

#### Content

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

##### Content request

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

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

##### 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",
}
}
}

#### Verification

See for more information on the source of these fields.

##### 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"
}
}
}

##### 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
}
}
}

##### 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"
}
}
}

##### 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
}
}
}

#### Cookies

##### 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"
}
}
]
}

##### Cookies response

HTTP/1.1 200 OK

#### 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.

##### Documentation request

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

##### 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"
]
}

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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



Figure : Last Page