**Advanced Template version: 1.0**

[[doc-title]]

[[doc-subtitle]]

[[doc-type]]

**[[doc-company]]**

**[[doc-company-url]]**

**Document Number: [[doc-id]]**

**Version: [[doc-version]]**

**Release Date: [[doc-release-date]]**

Document History

Author Name: [[doc-author-name]]

Author Contact: [[doc-author-email]]

Document Revision

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version Number | Release Date | Status | Change Description | Author |
| [[doc-version]] | [[doc-release-date]] | Draft | [[doc-change-description]] | [[doc-author-name]] |
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| [8] |  |  |  |

Table 1: Document references

# puzzlesCloudMDs

pc md

# Backticks

## 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 several text lines under single backticks

### 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

## End of file

test

# Big

## Edge Service

1234 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.

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See [Message Relay] for more information.

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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.

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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.

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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 1: Last Page