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[[doc-version]]	[[doc-release-date]]	Draft	[[doc-change-description]]	[[doc-author-name]]

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1.1   References

Referenced documents in creation of this document are listed in the Table 1.

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

Table 1: Document references

2 Big

2.1 Edge Service

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

2.1.1 *TODO*

2.1.1.1 *TODO version 1.0*

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

2.1.1.2 *TODO version 1.0-next*

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

2.1.2 *Test environment and credentials*

TODO

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

2.1.3 *Edge Service Registry*

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

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

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

2.1.4 *Edge Service Relay*

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

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

2.1.5 *Edge Service Client*

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

2.1.6 *ReST API*

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

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

2.1.6.1 Login

2.1.6.1.1 Login request

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

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

2.1.6.1.2 Login response

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

2.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMfTa4&Nyc00VazHk08JVop1MoctkSYmUw8YvcvduiZDY5				true	false

2.1.6.2 Logout

2.1.6.2.1 Logout request

Variables	Description	Example

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

2.1.6.2.2 Logout response

|HTTP/1.1 204 No Content |

2.1.6.3 Voucher list

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

2.1.6.3.1 Voucher list request

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

2.1.6.3.2 Voucher list response

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

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

2.1.6.4 Voucher detail

2.1.6.4.1 Voucher detail request

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

2.1.6.4.2 Voucher detail response

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

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

2.1.6.5 Voucher order

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

2.1.6.5.1 Voucher order request

Variables	Description	Example

POST /api/rest/v1/voucher-orders HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json
{ "data": { "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c", "type": "voucher-order", "attributes": { "voucher-code": "VODADE15" "payment-method": "Wirecard VISA", "notification-type": "email", "notification-target": "me@my-email.com", "provider-text-url": "https:// provider.texts", "order-success-redirect-url": "/success", "order-failed-redirect-url": "failed", "order-canceled-redirect-url": "/cancel" } } }

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

2.1.6.5.2 Voucher order response

HTTP/1.1 201 Created Content-Type: application/vnd.api+json
{ "data": { "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c", "type": "voucher-order", "attributes": { "notification-status": "pending", "confirmation-status": "pending", "notification-type": "email", "notification-target": "me@my-email.com", "payment-provider": "wirecard", "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-h0mLD2zDgf26ptjxSNRiKFiIlM", "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc", "payment-status": "pending", "payment-method": "creditcard", "voucher-code": "LEBALLINNL10", "voucher-currency": "EUR", "voucher-value": 10.0 "voucher-status": "pending", "order-price-total": 11.99, "order-tax-total": 0.00, "order-fee-total": 0.99, "order-status": "pending", "serial-number": "1234", "confirmation-date": "0", "batch-number": "1234" } } }

2.1.6.6 Voucher order detail

2.1.6.6.1 Voucher order detail request

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

2.1.6.6.2 Voucher order detail response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data": { "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c", "type": "voucher-order", "attributes": { "notification-status": "pending", "confirmation-status": "pending", "notification-type": "email", "notification-target": "me@my-email.com", "payment-provider": "wirecard", "payment-redirect-url": "https://wpp-test.wirecard.com/?wPaymentToken=y93bki675x2CdKP8-h0mLD2zDgf26ptjxSNRiKFiIlM", "payment-session-id": "4b7c0aec-3db3-4cd2-9b22-4d41fb964fdc", "payment-status": "pending", "payment-method": "creditcard", "voucher-code": "LEBALLINNL10", "voucher-currency": "EUR", "voucher-value": 10.0 "voucher-status": "pending", "order-price-total": 11.99, "order-tax-total": 0.00, "order-fee-total": 1.99, "order-status": "pending", "serial-number": "1234", "confirmation-date": "1611313953175" } } }

2.1.6.7 Provider Text

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

2.1.6.7.1 Provider Text request

Variables	Description	Example

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

2.1.6.7.2 Provider Text response

HTTP/1.1 201 Created Content-Type: application/vnd.api+json
{ "data": [{ "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661", "type": "voucher-text", "attributes": { "provider-code": "ABOUTYOU", "kind": "title", "title": "Produktname", "body": "About You-Geschenkkarte" } }, { "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81", "type": "voucher-text", "attributes": { "provider-code": "ABOUTYOU", "kind": "subtitle", "title": "Slogan", "body": "Hol Dir per E-Mail eine About You-Geschenkkarte." } }] }

2.1.6.8 Content

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

2.1.6.8.1 Content request

Variables	Description	Example

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

2.1.6.8.2 Content response

HTTP/1.1 200 OK Content-Type: application/json
{ "en": { "world.hello": "Hello, World!", "example.text": "Lorem ipsum dolor sit amet...", "button.cancel": "Cancel", "radio.options": { "option-1": "Selection 1", "option-2": "Selection 2", } }, "de": { "world.hello": "Hallo, Welt!", "example.text": "Lorem ipsum dolor sit amet...", "button.cancel": "Abbrechen" "radio.options": { "option-1": "Auswahl 1", "option-2": "Auswahl 2", } } }

2.1.6.9 Verification

See for more information on the source of these fields.

2.1.6.9.1 Verification request by phone number

POST /api/rest/v1//auth/phone-number-verification HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "38f4dfef-9baa-4302-831f-e41df4ce4084", "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "sms-confirmation-code": "716569" } } }

2.1.6.9.2 Verification by phone number response

HTTP/1.1 200 OK Content-Type: application/json
{ "data": { "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "ok": false, "remaining-number-of-attempts": 4, "remaining-expiration-time": 0 } } }

2.1.6.9.3 Verification request by sms

POST /api/rest/v1/auth/sms-verification-code HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "48f4dfef-9baa-4302-831f-e41df4ce4084", "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655" } } }

2.1.6.9.4 Verification by sms number response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data": { "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655", "ok": true, "remaining-number-of-attempts": 2, "remaining-delay-time": 20, "remaining-expiration-time": 1800 } } }

2.1.6.10 Cookies

2.1.6.10.1 Cookies request

POST /api/rest/v1/cookies HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": [{ "type": "cookie", "id": "shopId", "attributes": { "name": "shopId", "value": "1234" } }, { "type": "cookie", "id": "ns_dev_id", "attributes": { "name": "ns_dev_id", "value": "device_id" } }] }

2.1.6.10.2 Cookies response

HTTP/1.1 200 OK

2.1.6.11 Documentation

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

2.1.6.11.1 Documentation request

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

2.1.6.11.2 Documentation response

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

HTTP/1.1 200 OK
{ "required": ["createdDate", "notificationStatus", "notificationTarget", "notificationType", "orderFeeTotal", "orderPriceTotal", "orderStatus", "orderTaxTotal", "paymentMethod", "paymentProvider", "paymentStatus", "shortId", "voucherCode", "voucherCurrency", "voucherStatus", "voucherValue"] }

2.1.6.12 i18 internationalization

Retrieves i18next json based on requested language

2.1.6.12.1 i18 request

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

2.2 Edge Service

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

2.2.1 TODO

2.2.1.1 TODO version 1.0

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

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

2.2.2   Test environment and credentials
TODO

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

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

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

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

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

See [Message Relay] for more information.

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

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

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

2.2.6.1   Login

2.2.6.1.1   Login request

Variables	Description	Example
ICP_SHOP_ID	see [Test environment and credentials]	

Variables	Description	Example
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 |

2.2.6.1.2   Login response

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

2.2.6.1.3   Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMDM0ZC00ZjU0LWJjOWMtYmUwNjlhZmiZDY5	master.my.api.shop.mocks	/	Session	true	false

2.2.6.2   Logout

2.2.6.2.1   Logout request

Variables	Description	Example

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

2.2.6.2.2   Logout response

|HTTP/1.1 204 No Content |

2.2.6.3   Voucher list

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

2.2.6.3.1   Voucher list request

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

2.2.6.3.2   Voucher list response

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

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

2.2.6.4   Voucher detail

2.2.6.4.1   Voucher detail request

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

2.2.6.4.2   Voucher detail response

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

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

2.2.6.5   Voucher order

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

2.2.6.5.1   Voucher order request

Variables	Description	Example

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

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

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c

field name	type	constrains	description	example
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"
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

2.2.6.5.2 Voucher order response

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

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

2.2.6.6   Voucher order detail

2.2.6.6.1 Voucher order detail request

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

2.2.6.6.2 Voucher order detail response

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

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

2.2.6.7   Provider Text

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

2.2.6.7.1 Provider Text request

Variables	Description	Example

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

2.2.6.7.2 Provider Text response

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

{ "data": [{ "id": "f74bb480-d6df-47ad-8a17-8d7b1b176661", "type": "voucher-text", "attributes": { "provider-code": "ABOUTYOU", "kind": "title", "title": "Produktname", "body": "About You-Geschenkkarte" } }, { "id": "a598bf3b-abe0-4fc4-80fa-135a84510c81", "type":

"voucher-text", "attributes": { "provider-code": "ABOUTYOU", "kind": "subtitle", "title": "Slogan", "body": "Hol Dir per E-Mail eine About You-Geschenkkarte." } }]]

2.2.6.8   Content

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

2.2.6.8.1   Content request

Variables	Description	Example

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

2.2.6.8.2   Content response

HTTP/1.1 200 OK Content-Type: application/json
{ "en": { "world.hello": "Hello, World!", "example.text": "Lorem ipsum dolor sit amet...", "button.cancel": "Cancel", "radio.options": { "option-1": "Selection 1", "option-2": "Selection 2", } }, "de": { "world.hello": "Hallo, Welt!", "example.text": "Lorem ipsum dolor sit amet...", "button.cancel": "Abbrechen" "radio.options": { "option-1": "Auswahl 1", "option-2": "Auswahl 2", } } }

2.2.6.9   Verification

See for more information on the source of these fields.

2.2.6.9.1   Verification request by phone number

POST /api/rest/v1//auth/phone-number-verification HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json   { "data": { "id": "38f4dfef-9baa-4302-831f-e41df4ce4084", "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "sms-confirmation-code": "716569" } } }

2.2.6.9.2   Verification by phone number response

HTTP/1.1 200 OK Content-Type: application/json
{ "data": { "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "ok": false, "remaining-number-of-attempts": 4, "remaining-expiration-time": 0 } } }

2.2.6.9.3   Verification request by sms

POST /api/rest/v1/auth/sms-verification-code HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json   { "data": { "id": "48f4dfef-9baa-4302-831f-e41df4ce4084", "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655" } } }

2.2.6.9.4   Verification by sms number response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data": { "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655", "ok": true, "remaining-number-of-attempts": 2, "remaining-delay-time": 20, "remaining-expiration-time": 1800 } } }

2.2.6.10   Cookies

2.2.6.10.1   Cookies request

POST /api/rest/v1/cookies HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": [{ "type": "cookie", "id": "shopId", "attributes": { "name": "shopId", "value": "1234" } }, { "type": "cookie", "id": "ns_dev_id", "attributes": { "name": "ns_dev_id", "value": "device_id" } }] }

2.2.6.10.2   Cookies response

HTTP/1.1 200 OK

2.2.6.11   Documentation

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

2.2.6.11.1   Documentation request

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

2.2.6.11.2   Documentation response

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

HTTP/1.1 200 OK
{ "required": ["createdDate", "notificationStatus", "notificationTarget", "notificationType", "orderFeeTotal", "orderPriceTotal", "orderStatus", "orderTaxTotal", "paymentMethod", "paymentProvider", "paymentStatus", "shortId", "voucherCode", "voucherCurrency", "voucherStatus", "voucherValue"] }

2.2.6.12   i18 internationalization

> \#   *Retrieves i18next json based on requested language*

2.2.6.12.1   i18 request

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

2.3   Edge Service

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

2.3.1   TODO

2.3.1.1   TODO version 1.0

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

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

2.3.2 Test environment and credentials
TODO

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

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

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

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

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

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

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

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

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

2.3.6.1 Login
2.3.6.1.1 Login request

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

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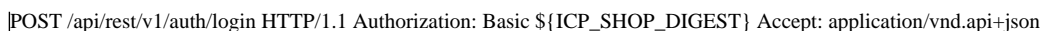
2.3.6.1.2   Login response

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

2.3.6.1.3   Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMnU4ZMkt...	master.mobiel-klop.mocks	/api-shop/api-mocks	...YmUw8piss5odiZDY5	true	false

2.3.6.2   Logout

2.3.6.2.1   Logout request

Variables	Description	Example

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

2.3.6.2.2   Logout response

|HTTP/1.1 204 No Content |

2.3.6.3   Voucher list

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

2.3.6.3.1   Voucher list request

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

2.3.6.3.2   Voucher list response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data":[{ "id":"f634f09f-9a06-4297-a326-0d703938b702", "type":"voucher", "attributes":{ "code":"LEBALLINNL10", "currency":"EUR", "ean-code":"8717472242211", "encryption-type":0, "kind":0, "name":"Lebara All-in NL 10 EUR", "provider-code":"LEBARA", "provider-name":"Lebara", "short-name":"All-in NL 10", "value":10.0, "price-total":11.99, "price-tax":0.00, "price-fee":1.99, "payment-methods": { "wirecard-creditcard":{ "name":"Credit Card", "provider-name":"Wirecard", "image-url":"https://wirecard.com/logo.png" } "wirecard-paypal":{ "name":"PayPal", "provider-name":"Wirecard" } } } }, { "id":"a3473e20-19b4-44fe-8389-67a511854759", "type":"voucher", "attributes":{ "code":"LEBALLINNL15", "currency":"EUR", "ean-code":"8717472242129", "encryption-type":0, "kind":0, "name":"Lebara All-in NL 15 EUR", "provider-code":"LEBARA", "provider-name":"Lebara", "short-name":"All-in NL 15", "value":15.0, "price-total":16.99, "price-tax":0.00, "price-fee":1.99, "payment-methods": ["wirecard-creditcard":{ "name":"Credit Card", "provider-name":"Wirecard", "image-url":"https://wirecard.com/logo.png" } "wirecard-paypal":{ "name":"PayPal", "provider-name":"Wirecard" } }] }] }

2.3.6.4   Voucher detail

2.3.6.4.1   Voucher detail request

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

2.3.6.4.2   Voucher detail response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data":{ "id":"f634f09f-9a06-4297-a326-0d703938b702", "type":"voucher", "attributes":{ "code":"LEBALLINNL10", "currency":"EUR", "ean-code":"8717472242211", "encryption-type":0, "kind":0, "name":"Lebara All-in NL 10 EUR", "provider-code":"LEBARA", "provider-name":"Lebara", "short-name":"All-in NL 10", "value":10.0, "price-total":11.99, "price-tax":0.00, "price-fee":1.99, "payment-methods": { "wirecard-creditcard":{ "name":"Credit Card", "provider-name":"Wirecard", "image-url":"https://wirecard.com/logo.png" }, "wirecard-paypal":{ "name":"PayPal", "provider-name":"Wirecard" } } } } }

2.3.6.5   Voucher order

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

2.3.6.5.1   Voucher order request

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

POST /api/rest/v1/voucher-orders HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json
{ "data": { "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c", "type": "voucher-order", "attributes": { "voucher-code": "VODADE15", "payment-method": "Wirecard VISA", "notification-type": "email", "notification-target": "me@my-email.com", "provider-text-url": "https://provider.texts", "order-success-redirect-url": "/success", "order-failed-redirect-url": "failed", "order-canceled-redirect-url": "/cancel" } } }

field name	type	constrains	description	example
id	UUID	globally unique	globally unique UUID	c91feaf3-5968-4b60-aa5b-62fe7fdd905c
type	string	n/a	type of request, must be "voucher-order", "voucher-order"	
voucher-code	string	n/a	code of the voucher gathered from voucher list	"VODADE15"
payment-method	string	n/a	on of the allowed methods for the	"Wirecard VISA"

field name	type	constrains	description	example
			voucher, denoted in voucher list response	
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

2.3.6.5.2 *Voucher order response*

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

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

2.3.6.6 *Voucher order detail*

2.3.6.6.1 *Voucher order detail request*

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

2.3.6.6.2 *Voucher order detail response*

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

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

2.3.6.7 *Provider Text*

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

2.3.6.7.1 *Provider Text request*

Variables	Description	Example

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

2.3.6.7.2 *Provider Text response*

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

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

2.3.6.8 *Content*

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

2.3.6.8.1 *Content request*

Variables	Description	Example

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

2.3.6.8.2 Content response

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

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

2.3.6.9 Verification

See for more information on the source of these fields.

2.3.6.9.1 Verification request by phone number

POST /api/rest/v1//auth/phone-number-verification HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "38f4dfef-9baa-4302-831f-e41df4ce4084", "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "sms-confirmation-code": "716569" } } }

2.3.6.9.2 Verification by phone number response

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

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

2.3.6.9.3 Verification request by sms

POST /api/rest/v1/auth/sms-verification-code HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "48f4dfef-9baa-4302-831f-e41df4ce4084", "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655" } } }

2.3.6.9.4 Verification by sms number response

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

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

2.3.6.10 Cookies

2.3.6.10.1 Cookies request

POST /api/rest/v1/cookies HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": [{ "type": "cookie", "id": "shopId", "attributes": { "name": "shopId", "value": "1234" } }, { "type": "cookie", "id": "ns_dev_id", "attributes": { "name": "ns_dev_id", "value": "device_id" } }] }

2.3.6.10.2 Cookies response

HTTP/1.1 200 OK

2.3.6.11 Documentation

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

2.3.6.11.1 Documentation request

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

2.3.6.11.2 Documentation response

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

HTTP/1.1 200 OK

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

2.3.6.12 i18 internationalization

Retrieves i18next json based on requested language

2.3.6.12.1 i18 request

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

2.4 Edge Service

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

2.4.1 TODO

2.4.1.1 TODO version 1.0

[x] Test environment and credentials

[x] specify voucher content fields

[x] specify voucher pricing fields

[x] specify payment method fields

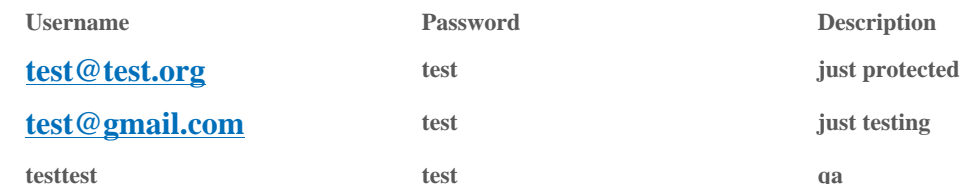#### 2.4.1.2 TODO version 1.0-next

[ ] refactor entities and apply relationships

[ ] provide full resource schemas

[ ] enforce validation of resource schemas

2.4.2 Test environment and credentials

TODO

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

2.4.3 Edge Service Registry

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

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

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

2.4.4 Edge Service Relay

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

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

2.4.5 Edge Service Client

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

2.4.6 ReST API

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

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

2.4.6.1 Login

2.4.6.1.1 Login request

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

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

2.4.6.1.2 Login response

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

2.4.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItZ...YmUwZjsxSm>liZDY5				true	false

2.4.6.2 Logout

2.4.6.2.1   Logout request

Variables	Description	Example

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

2.4.6.2.2   Logout response

|HTTP/1.1 204 No Content |

2.4.6.3   Voucher list

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

2.4.6.3.1   Voucher list request

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

2.4.6.3.2   Voucher list response

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

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

2.4.6.4   Voucher detail

2.4.6.4.1   Voucher detail request

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

2.4.6.4.2   Voucher detail response

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

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

2.4.6.5   Voucher order

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

2.4.6.5.1   Voucher order request

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

--- | -- | |

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

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

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

field name	type	constrains	description	example
				(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

2.4.6.5.2 Voucher order response

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

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

2.4.6.6 Voucher order detail

2.4.6.6.1 Voucher order detail request

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

2.4.6.6.2 Voucher order detail response

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

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

2.4.6.7 Provider Text

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

2.4.6.7.1 Provider Text request

Variables	Description	Example

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

2.4.6.7.2 Provider Text response

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

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

2.4.6.8 Content

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

2.4.6.8.1 Content request

Variables	Description	Example

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

2.4.6.8.2 Content response

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

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

2.4.6.9 Verification

See for more information on the source of these fields.

2.4.6.9.1 Verification request by phone number

POST /api/rest/v1//auth/phone-number-verification HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "38f4dfef-9baa-4302-831f-e41df4ce4084", "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "sms-confirmation-code": "716569" } } }

2.4.6.9.2 Verification by phone number response

HTTP/1.1 200 OK Content-Type: application/json
{ "data": { "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "ok": false, "remaining-number-of-attempts": 4, "remaining-expiration-time": 0 } } }

2.4.6.9.3 Verification request by sms

POST /api/rest/v1/auth/sms-verification-code HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "48f4dfef-9baa-4302-831f-e41df4ce4084", "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655" } } }

2.4.6.9.4 Verification by sms number response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data": { "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655", "ok": true, "remaining-number-of-attempts": 2, "remaining-delay-time": 20, "remaining-expiration-time": 1800 } } }

2.4.6.10 Cookies

2.4.6.10.1 Cookies request

POST /api/rest/v1/cookies HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": [{ "type": "cookie", "id": "shopId", "attributes": { "name": "shopId", "value": "1234" } }, { "type": "cookie", "id": "ns_dev_id", "attributes": { "name": "ns_dev_id", "value": "device_id" } }] }

2.4.6.10.2 Cookies response

HTTP/1.1 200 OK

2.4.6.11 Documentation

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

2.4.6.11.1 Documentation request

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

2.4.6.11.2 Documentation response

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

HTTP/1.1 200 OK
{ "required": ["createdDate", "notificationStatus", "notificationTarget", "notificationType", "orderFeeTotal", "orderPriceTotal", "orderStatus", "orderTaxTotal", "paymentMethod", "paymentProvider", "paymentStatus", "shortId", "voucherCode", "voucherCurrency", "voucherStatus", "voucherValue"] }

2.4.6.12 i18 internationalization

Retrieves i18next json based on requested language

2.4.6.12.1 i18 request

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

2.5 Edge Service

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

2.5.1 TODO

2.5.1.1 TODO version 1.0

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

2.5.1.2 TODO version 1.0-next

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

2.5.2 Test environment and credentials

TODO

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

2.5.3 Edge Service Registry

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

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

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

2.5.4 Edge Service Relay

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

See [Message Relay] for more information.

2.5.5 Edge Service Client

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

2.5.6 ReST API

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

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

2.5.6.1 Login

2.5.6.1.1 Login request

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

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

2.5.6.1.2 Login response

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

2.5.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMzRel...y00Mj9l0Wji1M0cksYmUwYjIiZDY5				true	false

2.5.6.2 Logout

2.5.6.2.1 Logout request

Variables	Description	Example

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

2.5.6.2.2 Logout response

|HTTP/1.1 204 No Content |

2.5.6.3 Voucher list

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

2.5.6.3.1   Voucher list request

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

2.5.6.3.2   Voucher list response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data":[{ "id":"f634f09f-9a06-4297-a326-0d703938b702", "type":"voucher", "attributes":{ "code":"LEBALLINNL10", "currency":"EUR", "ean-code":"8717472242211", "encryption-type":0, "kind":0, "name":"Lebara All-in NL 10 EUR", "provider-code":"LEBARA", "provider-name":"Lebara", "short-name":"All-in NL 10", "value":10.0, "price-total":11.99, "price-tax":0.00, "price-fee":1.99, "payment-methods": { "wirecard-creditcard":{ "name":"Credit Card", "provider-name":"Wirecard", "image-url":"https://wirecard.com/logo.png" } "wirecard-paypal":{ "name":"PayPal", "provider-name":"Wirecard" } } } }, { "id":"a3473e20-19b4-44fe-8389-67a511854759", "type":"voucher", "attributes":{ "code":"LEBALLINNL15", "currency":"EUR", "ean-code":"8717472242129", "encryption-type":0, "kind":0, "name":"Lebara All-in NL 15 EUR", "provider-code":"LEBARA", "provider-name":"Lebara", "short-name":"All-in NL 15", "value":15.0, "price-total":16.99, "price-tax":0.00, "price-fee":1.99, "payment-methods": ["wirecard-creditcard":{ "name":"Credit Card", "provider-name":"Wirecard", "image-url":"https://wirecard.com/logo.png" } "wirecard-paypal":{ "name":"PayPal", "provider-name":"Wirecard" } } }] }

2.5.6.4   Voucher detail

2.5.6.4.1   Voucher detail request

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

2.5.6.4.2   Voucher detail response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data":{ "id":"f634f09f-9a06-4297-a326-0d703938b702", "type":"voucher", "attributes":{ "code":"LEBALLINNL10", "currency":"EUR", "ean-code":"8717472242211", "encryption-type":0, "kind":0, "name":"Lebara All-in NL 10 EUR", "provider-code":"LEBARA", "provider-name":"Lebara", "short-name":"All-in NL 10", "value":10.0, "price-total":11.99, "price-tax":0.00, "price-fee":1.99, "payment-methods": { "wirecard-creditcard":{ "name":"Credit Card", "provider-name":"Wirecard", "image-url":"https://wirecard.com/logo.png" }, "wirecard-paypal":{ "name":"PayPal", "provider-name":"Wirecard" } } } } }

2.5.6.5   Voucher order

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

2.5.6.5.1   Voucher order request

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

POST /api/rest/v1/voucher-orders HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json
{ "data": { "id": "c91feaf3-5968-4b60-aa5b-62fe7fdd905c", "type": "voucher-order", "attributes": { "voucher-code": "VODADE15" "payment-method": "Wirecard VISA", "notification-type": "email", "notification-target": "me@my-email.com", "provider-text-url": "https://provider.texts", "order-success-redirect-url": "/success", "order-failed-redirect-url": "failed", "order-canceled-redirect-url": "/cancel" } } }

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

field name	type	constrains	description	example
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

2.5.6.5.2 Voucher order response

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

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

2.5.6.6 Voucher order detail

2.5.6.6.1 Voucher order detail request

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

2.5.6.6.2 Voucher order detail response

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

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

2.5.6.7 Provider Text

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

2.5.6.7.1 Provider Text request

Variables	Description	Example

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

2.5.6.7.2 Provider Text response

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

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

2.5.6.8 Content

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

2.5.6.8.1 Content request

Variables	Description	Example

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

2.5.6.8.2 Content response

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

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

2.5.6.9 Verification

See for more information on the source of these fields.

2.5.6.9.1 Verification request by phone number

POST /api/rest/v1//auth/phone-number-verification HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "38f4dfef-9baa-4302-831f-e41df4ce4084", "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "sms-confirmation-code": "716569" } } }

2.5.6.9.2 Verification by phone number response

HTTP/1.1 200 OK Content-Type: application/json
{ "data": { "type": "phone-number-verification", "attributes": { "phone-number": "+381691994655", "ok": false, "remaining-number-of-attempts": 4, "remaining-expiration-time": 0 } } }

2.5.6.9.3 Verification request by sms

POST /api/rest/v1/auth/sms-verification-code HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": { "id": "48f4dfef-9baa-4302-831f-e41df4ce4084", "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655" } } }

2.5.6.9.4 Verification by sms number response

HTTP/1.1 200 OK Content-Type: application/vnd.api+json
{ "data": { "type": "sms-verification-code", "attributes": { "phone-number": "+381691994655", "ok": true, "remaining-number-of-attempts": 2, "remaining-delay-time": 20, "remaining-expiration-time": 1800 } } }

2.5.6.10 Cookies

2.5.6.10.1 Cookies request

POST /api/rest/v1/cookies HTTP/1.1 Authorization: No Auth Accept: application/vnd.api+json { "data": [{ "type": "cookie", "id": "shopId", "attributes": { "name": "shopId", "value": "1234" } }, { "type": "cookie", "id": "ns_dev_id", "attributes": { "name": "ns_dev_id", "value": "device_id" } }] }

2.5.6.10.2 Cookies response

HTTP/1.1 200 OK

2.5.6.11 Documentation

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

2.5.6.11.1 Documentation request

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

2.5.6.11.2 Documentation response

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

HTTP/1.1 200 OK
{ "required": ["createdDate", "notificationStatus", "notificationTarget", "notificationType", "orderFeeTotal", "orderPriceTotal", "orderStatus", "orderTaxTotal", "paymentMethod", "paymentProvider", "paymentStatus", "shortId", "voucherCode", "voucherCurrency", "voucherStatus", "voucherValue"] }

2.5.6.12 i18 internationalization

Retrieves i18next json based on requested language

2.5.6.12.1 i18 request

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

Figure 1: Last Page