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1 Introduction

1.1 References

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[2]			
[3]			
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2 Markdown3

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	MmQ5ZjkxOGItMTA4Mi00M2E3LWJ1MDktYmUwZjAxMWJiZDY5				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 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
```

3 Markdown3

3.1 Edge Service

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

3.1.1 TODO

3.1.1.1 TODO version 1.0

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

3.1.1.2 TODO version 1.0-next

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

3.1.2 Test environment and credentials

TODO

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

3.1.3 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.

3.1.4 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.***

3.1.5 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.

3.1.6 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].

3.1.6.1 Login

3.1.6.1.1 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
```

3.1.6.1.2 Login response

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

3.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTA4Mi00M2E3LWJ1MDktYmUwZjAxMWJiZDY5				true	false

3.1.6.2 Logout

3.1.6.2.1 Logout request

Variables	Description	Example

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

3.1.6.2.2 Logout response

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

3.1.6.3 Voucher list

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

3.1.6.3.1 Voucher list request

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

3.1.6.3.2 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" } ] } } ] }
```

3.1.6.4 Voucher detail

3.1.6.4.1 Voucher detail request

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

3.1.6.4.2 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" } } } } }
```

3.1.6.5 Voucher order

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

3.1.6.5.1 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"
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

3.1.6.5.2 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" } } }

3.1.6 Voucher order detail

3.1.6.6.1 Voucher order detail request

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

3.1.6.6.2 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" } } }

3.1.6.7 Provider Text

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

3.1.6.7.1 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
```

3.1.6.7.2 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." } } ] }
```

3.1.6.8 Content

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

3.1.6.8.1 Content request

Variables	Description	Example

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

3.1.6.8.2 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", } } }
```

3.1.6.9 Verification

See for more information on the source of these fields.

3.1.6.9.1 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" } } }
```

3.1.6.9.2 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 } } }
```

3.1.6.9.3 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" } } }
```

3.1.6.9.4 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 } } }
```

3.1.6.10 Cookies

3.1.6.10.1 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" } } ] }
```

3.1.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

3.1.6.11 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.

3.1.6.11.1 Documentation request

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

3.1.6.11.2 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" ] }
```

3.1.6.12 i18 internationalization

 # Retrieves i18next json based on requested language

3.1.6.12.1 i18 request

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

4 Markdown4-2

4.1 From today's featured article

Lionel Matthews (15 August 1912 -- 2 March 1944) was an Australian Army officer during World War II who was posthumously awarded the George Cross, the highest non-combat award for heroism for members of the Australian armed forces at the time. Matthews served in the 27th Brigade during the Malayan campaign, and at the surrender of Singapore in 1942 became a prisoner of war (POW). He was awarded the Military Cross for courage, energy and ability under fire during this fighting.

4.1.1 Did you know ...

that in 2017 you could finally have breakfast at Tiffany's (pictured)?
that the British mycologist Denis Garrett, "one of the last 'string and sealing wax' scientists", once bought plastic lavatory cisterns for his laboratory to use in experiments?
that sand in the stomach of the ocean surgeon helps to grind up its food?

4.1.1.1 In the news

1. More than 300 girls are kidnapped from a secondary school by armed bandits in Zamfara, Nigeria.
2. In tennis, Naomi Osaka wins the women's singles and Novak Djokovic wins the men's singles at the Australian Open (both winners pictured).

4.1.1.1.1 On this day

4.1.1.1.1.1 March 2

1444 -- *The League of Lezhë, an alliance of regional chieftains, was established in Venetian Albania with Skanderbeg as its commander.*

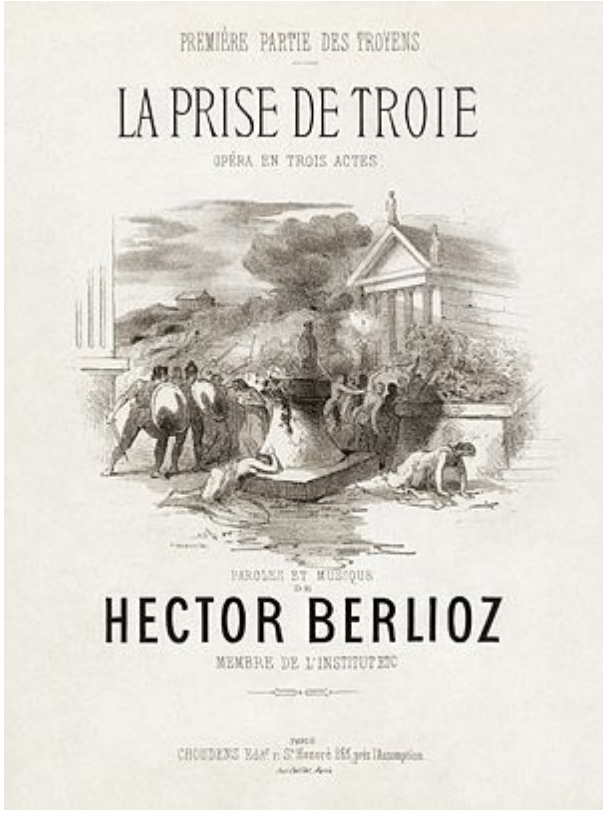
1865 -- *New Zealand Wars: Carl Sylvius Völkner (pictured), a Protestant missionary, was killed by Hauhau militants in #p#tiki for working as an agent for George Grey, Governor-General of New Zealand.*

1937 -- *The Steel Workers Organizing Committee, precursor to the United Steel Workers of America, had a major success when it signed a collective-bargaining agreement with U.S. Steel.*

1962 -- *Led by General Ne Win, the Burmese military seized power in a coup d'état.*

~~aaaaaaaaaaaaaaaaaa~~

4.1.1.1.1.1.1 Today's featured picture



4.2 Armed conflicts and attacks

Zamfara kidnapping
    1. *All 279 abducted schoolgirls from a boarding school in Zamfara State, Nigeria, are released by their armed kidnappers. (Reuters)*

4.2.1 Health and environment

COVID-19 pandemic
    1. *COVID-19 pandemic in Asia*
        # *COVID-19 pandemic in Indonesia*
            # *Indonesia reports their first two cases of Lineage B.1.1.7 variant first detected in the United Kingdom. (Liputan6.com)*
        # *COVID-19 pandemic in Iraq*
            # *Iraq receives 50,000 doses of Sinopharm vaccines as the country officially begins its vaccination campaign. (Asharq Al-Awsat)*
        # *COVID-19 pandemic in Mongolia*
            # *Mongolia surpasses 3,000 cases of COVID-19. (Montsame)*
        # *COVID-19 pandemic in the Philippines*
            # *The Philippines reports their first six cases of 501.V2 variant first detected in South Africa. (GMA News)*

5 Markdown3

5.1 Edge Service

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

5.1.1 TODO

5.1.1.1 TODO version 1.0

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

5.1.1.2 TODO version 1.0-next

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

5.1.2 Test environment and credentials

TODO

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

5.1.3 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.

5.1.4 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.***

5.1.5 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.

5.1.6 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].

5.1.6.1 Login

5.1.6.1.1 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
```

5.1.6.1.2 Login response

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

5.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTA4Mi00M2E3LWJl[illegible]ZDY5	[illegible]	[illegible]	[illegible]	true	false

5.1.6.2 Logout

5.1.6.2.1 Logout request

Variables	Description	Example

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

5.1.6.2.2 Logout response

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

5.1.6.3 Voucher list

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

5.1.6.3.1 Voucher list request

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

5.1.6.3.2 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" } ] } } ] }
```

5.1.6.4 Voucher detail

5.1.6.4.1 Voucher detail request

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

5.1.6.4.2 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" } } } } }
```

5.1.6.5 Voucher order

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

5.1.6.5.1 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**

5.1.6.5.2 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" } } }

5.1.6.6 Voucher order detail

5.1.6.6.1 Voucher order detail request

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

5.1.6.6.2 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" } } }

5.1.6.7 Provider Text

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

5.1.6.7.1 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
```

5.1.6.7.2 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." } } ] }
```

5.1.6.8 Content

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

5.1.6.8.1 Content request

Variables	Description	Example

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

5.1.6.8.2 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", } } }
```

5.1.6.9 Verification

See for more information on the source of these fields.

5.1.6.9.1 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" } } }
```

5.1.6.9.2 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 } } }
```

5.1.6.9.3 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" } } }
```

5.1.6.9.4 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 } } }
```

5.1.6.10 Cookies

5.1.6.10.1 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" } } ] }
```

5.1.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

5.1.6.11 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.

5.1.6.11.1 Documentation request

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

5.1.6.11.2 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" ] }
```

5.1.6.12 i18 internationalization

 # Retrieves i18next json based on requested language

5.1.6.12.1 i18 request

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

6 Markdown3

6.1 Edge Service

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

6.1.1 TODO

6.1.1.1 TODO version 1.0

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

6.1.1.2 TODO version 1.0-next

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

6.1.2 Test environment and credentials

TODO

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

6.1.3 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.

6.1.4 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.***

6.1.5 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.

6.1.6 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].

6.1.6.1 Login

6.1.6.1.1 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
```

6.1.6.1.2 Login response

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

6.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTA4Mi00M2E3LWJ1MDktYmUwZjAxMWJiZDY5				true	false

6.1.6.2 Logout

6.1.6.2.1 Logout request

Variables	Description	Example

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

6.1.6.2.2 Logout response

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

6.1.6.3 Voucher list

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

6.1.6.3.1 Voucher list request

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

6.1.6.3.2 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" } ] } } ] }
```

6.1.6.4 Voucher detail

6.1.6.4.1 Voucher detail request

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

6.1.6.4.2 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" } } } } }
```

6.1.6.5 Voucher order

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

6.1.6.5.1 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"**
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**

6.1.6.5.2 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" } } }

6.1.6 Voucher order detail

6.1.6.6.1 Voucher order detail request

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

6.1.6.6.2 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" } } }

6.1.6.7 Provider Text

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

6.1.6.7.1 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
```

6.1.6.7.2 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." } } ] }
```

6.1.6.8 Content

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

6.1.6.8.1 Content request

Variables	Description	Example

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

6.1.6.8.2 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", } } }
```

6.1.6.9 Verification

See for more information on the source of these fields.

6.1.6.9.1 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" } } }
```

6.1.6.9.2 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 } } }
```

6.1.6.9.3 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" } } }
```

6.1.6.9.4 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 } } }
```

6.1.6.10 Cookies

6.1.6.10.1 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" } } ] }
```

6.1.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

6.1.6.11 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.

6.1.6.11.1 Documentation request

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

6.1.6.11.2 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" ] }
```

6.1.6.12 i18 internationalization

 # Retrieves i18next json based on requested language

6.1.6.12.1 i18 request

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

7 Markdown4-2

7.1 From today's featured article

Lionel Matthews (15 August 1912 -- 2 March 1944) was an Australian Army officer during World War II who was posthumously awarded the George Cross, the highest non-combat award for heroism for members of the Australian armed forces at the time. Matthews served in the 27th Brigade during the Malayan campaign, and at the surrender of Singapore in 1942 became a prisoner of war (POW). He was awarded the Military Cross for courage, energy and ability under fire during this fighting.

7.1.1 Did you know ...

that in 2017 you could finally have breakfast at Tiffany's (pictured)?
that the British mycologist Denis Garrett, "one of the last 'string and sealing wax' scientists", once bought plastic lavatory cisterns for his laboratory to use in experiments?
that sand in the stomach of the ocean surgeon helps to grind up its food?

7.1.1.1 In the news

3. More than 300 girls are kidnapped from a secondary school by armed bandits in Zamfara, Nigeria.
4. In tennis, Naomi Osaka wins the women's singles and Novak Djokovic wins the men's singles at the Australian Open (both winners pictured).

7.1.1.1.1 On this day

7.1.1.1.1.1 March 2

1444 -- *The League of Lezhë, an alliance of regional chieftains, was established in Venetian Albania with Skanderbeg as its commander.*

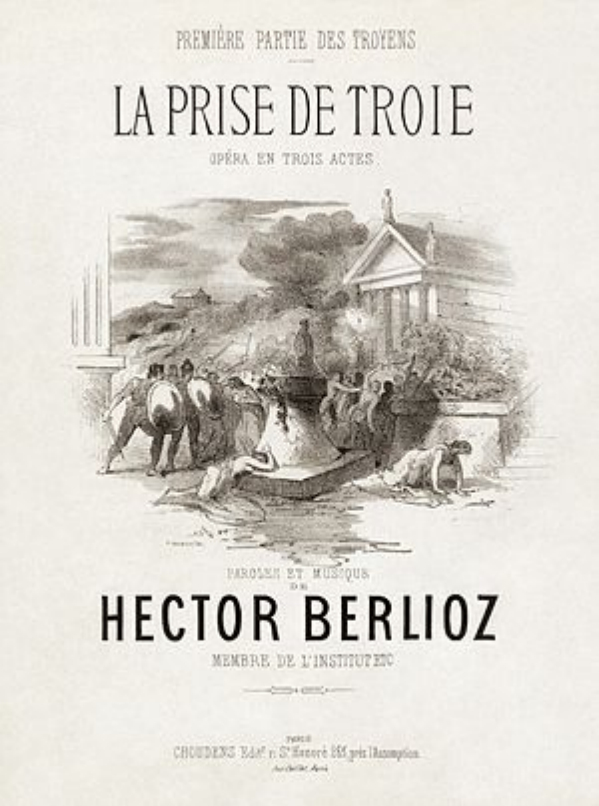
1865 -- *New Zealand Wars: Carl Sylvius Völkner (pictured), a Protestant missionary, was killed by Hauhau militants in #p#tiki for working as an agent for George Grey, Governor-General of New Zealand.*

1937 -- *The Steel Workers Organizing Committee, precursor to the United Steel Workers of America, had a major success when it signed a collective-bargaining agreement with U.S. Steel.*

1962 -- *Led by General Ne Win, the Burmese military seized power in a coup d'état.*

~~aaaaaaaaaaaaaaaaaa~~

7.1.1.1.1.1.1 Today's featured picture



7.2 Armed conflicts and attacks

Zamfara kidnapping
    1. *All 279 abducted schoolgirls from a boarding school in Zamfara State, Nigeria, are released by their armed kidnappers. (Reuters)*

7.2.1 Health and environment

COVID-19 pandemic
    1. *COVID-19 pandemic in Asia*
        # *COVID-19 pandemic in Indonesia*
            # *Indonesia reports their first two cases of Lineage B.1.1.7 variant first detected in the United Kingdom. (Liputan6.com)*
        # *COVID-19 pandemic in Iraq*
            # *Iraq receives 50,000 doses of Sinopharm vaccines as the country officially begins its vaccination campaign. (Asharq Al-Awsat)*
        # *COVID-19 pandemic in Mongolia*
            # *Mongolia surpasses 3,000 cases of COVID-19. (Montsame)*
        # *COVID-19 pandemic in the Philippines*
            # *The Philippines reports their first six cases of 501.V2 variant first detected in South Africa. (GMA News)*

8 Markdown3

8.1 Edge Service

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

8.1.1 TODO

8.1.1.1 TODO version 1.0

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

8.1.1.2 TODO version 1.0-next

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

8.1.2 Test environment and credentials

TODO

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

8.1.3 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.

8.1.4 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.***

8.1.5 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.

8.1.6 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].

8.1.6.1 Login

8.1.6.1.1 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
```

8.1.6.1.2 Login response

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

8.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTA4Mi00M2E3LWJl[illegible]				true	false

8.1.6.2 Logout

8.1.6.2.1 Logout request

Variables	Description	Example

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

8.1.6.2.2 Logout response

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

8.1.6.3 Voucher list

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

8.1.6.3.1 Voucher list request

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

8.1.6.3.2 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" } ] } } ] }
```

8.1.6.4 Voucher detail

8.1.6.4.1 Voucher detail request

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

8.1.6.4.2 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" } } } } }
```

8.1.6.5 Voucher order

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

8.1.6.5.1 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**

8.1.6.5.2 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" } } }
```

8.1.6 Voucher order detail

8.1.6.6.1 Voucher order detail request

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

8.1.6.6.2 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" } } }
```

8.1.6.7 Provider Text

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

8.1.6.7.1 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

8.1.6.7.2 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." } }] }

8.1.6.8 Content

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

8.1.6.8.1 Content request

Variables	Description	Example

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

8.1.6.8.2 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", } } }

8.1.6.9 Verification

See for more information on the source of these fields.

8.1.6.9.1 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" } } }

8.1.6.9.2 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 } } }

8.1.6.9.3 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" } } }

8.1.6.9.4 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 } } }

8.1.6.10 Cookies

8.1.6.10.1 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" } }] }

8.1.6.10.2 Cookies response

HTTP/1.1 200 OK

8.1.6.11 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.

8.1.6.11.1 Documentation request

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

8.1.6.11.2 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"] }

8.1.6.12 i18 internationalization

 # Retrieves i18next json based on requested language

8.1.6.12.1 i18 request

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

9 UC3 Just testing

9.1 Edge Service

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

9.1.1 TODO

9.1.1.1 TODO version 1.0

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

9.1.1.2 TODO version 1.0-next

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

9.1.2 Test environment and credentials

TODO

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

9.1.3 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.

9.1.4 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.***

9.1.5 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.

9.1.6 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].

9.1.6.1 Login

9.1.6.1.1 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
```

9.1.6.1.2 Login response

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

9.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTA4Mi00M2E3LWJ1MDktYmUwZjAxMWJiZDY5				true	false

9.1.6.2 Logout

9.1.6.2.1 Logout request

Variables	Description	Example

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

9.1.6.2.2 Logout response

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

9.1.6.3 Voucher list

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

9.1.6.3.1 Voucher list request

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

9.1.6.3.2 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" } ] } } ] }
```

9.1.6.4 Voucher detail

9.1.6.4.1 Voucher detail request

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

9.1.6.4.2 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" } } } } }
```

9.1.6.5 Voucher order

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

9.1.6.5.1 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"**
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**

9.1.6.5.2 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" } } }

9.1.6.6 Voucher order detail

9.1.6.6.1 Voucher order detail request

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

9.1.6.6.2 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" } } }

9.1.6.7 Provider Text

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

9.1.6.7.1 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

9.1.6.7.2 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." } }] }

9.1.6.8 Content

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

9.1.6.8.1 Content request

Variables	Description	Example

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

9.1.6.8.2 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", } } }

9.1.6.9 Verification

See for more information on the source of these fields.

9.1.6.9.1 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" } } }

9.1.6.9.2 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 } } }

9.1.6.9.3 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" } } }

9.1.6.9.4 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 } } }

9.1.6.10 Cookies

9.1.6.10.1 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" } }] }

9.1.6.10.2 Cookies response

HTTP/1.1 200 OK

9.1.6.11 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.

9.1.6.11.1 Documentation request

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

9.1.6.11.2 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"] }

9.1.6.12 i18 internationalization

 # Retrieves i18next json based on requested language

9.1.6.12.1 i18 request

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

10 UC3 Just testing

10.1 Edge Service

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

10.1.1 TODO

10.1.1.1 TODO version 1.0

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

10.1.1.2 TODO version 1.0-next

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

10.1.2 Test environment and credentials

TODO

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

10.1.3 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.

10.1.4 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.***

10.1.5 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.

10.1.6 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].

10.1.6.1 Login

10.1.6.1.1 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
```

10.1.6.1.2 Login response

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

10.1.6.1.3 Cookies

Name	Value	Domain	Path	Expires	HttpOnly	Secure
SESSION	MmQ5ZjkxOGItMTA4Mi00M2E3LWJl[illegible]				true	false

10.1.6.2 Logout

10.1.6.2.1 Logout request

Variables	Description	Example

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

10.1.6.2.2 Logout response

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

10.1.6.3 Voucher list

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

10.1.6.3.1 Voucher list request

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

10.1.6.3.2 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" } ] } } ] }
```

10.1.6.4 Voucher detail

10.1.6.4.1 Voucher detail request

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

10.1.6.4.2 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" } } } } }
```

10.1.6.5 Voucher order

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

10.1.6.5.1 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"**
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**

10.1.6.5.2 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" } } }

10.1.6.6 Voucher order detail

10.1.6.6.1 Voucher order detail request

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

10.1.6.6.2 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" } } }

10.1.6.7 Provider Text

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

10.1.6.7.1 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
```

10.1.6.7.2 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." } } ] }
```

10.1.6.8 Content

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

10.1.6.8.1 Content request

Variables	Description	Example

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

10.1.6.8.2 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", } } }
```

10.1.6.9 Verification

See for more information on the source of these fields.

10.1.6.9.1 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" } } }
```

10.1.6.9.2 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 } } }
```

10.1.6.9.3 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" } } }
```

10.1.6.9.4 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 } } }
```

10.1.6.10 Cookies

10.1.6.10.1 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" } } ] }
```

10.1.6.10.2 Cookies response

```
HTTP/1.1 200 OK
```

10.1.6.11 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.

10.1.6.11.1 Documentation request

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

10.1.6.11.2 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" ] }
```

10.1.6.12 i18 internationalization

 # Retrieves i18next json based on requested language

10.1.6.12.1 i18 request

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

11 Backticks

11.1 Backticks MD file

this is single line of backticks

Tis is text which contains text under backticks

this is backticks this is regular text

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

11.1.1 *Backtickts in heading*

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

11.2 End of file

test

12 Backticks

12.1 Backticks MD file

this is single line of backticks

Tis is text which contains text under backticks

this is backticks this is regular text

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

12.1.1 *Backtickts in heading*

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

12.2 End of file

test

13 Backticks

13.1 Backticks MD file

this is single line of backticks

Tis is text which contains text under backticks

this is backticks this is regular text

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

14 Just checking tables - heading 1

14.1 Tables are under heading 2

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

Table

Option	Description
data	path to data files to supply the data that will be passed into templates.
engine	engine to be used for processing templates. Handlebars is the default.
ext	extension to be used for dest files.

Table

15 test2

15.1 Markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2ma

15.1.1 Formatted Text Examples

Below is an illustration of the Format toolbar used to format text:

Here are some examples of the effects different options have on text:

15.1.1.1 Font buttons:

As well as the standard Font drop down box showing a list of all the fonts on your system and the **Point** size box that allows you to set the font size, two shortcut buttons have been added that allow you to increase the selected text or group of text objects at the press of a button:

Will increase the font size by 2 points every time you press the button.

Will decrease the font size by 2 points every time you press the button.

15.1.1.2 Text Format:

The standard text format options are also available for text i.e. bold, italic, underline and outline:

Text

Text

Text

Text

> ***Note: You can combine any of these formats together, as in the last example above which is a combination of the bold, underline and outline formats.***

15.1.1.3 Text Justification:

Text can be aligned to the
    1. *left,*
    2. *right,*
    3. *centre*
or one of the three full justifications: Full Justification, Density Justification and Aspect Justification.

Note: The Full justification spreads the words across the page but does not change the size of them. The Density Justification also spreads the words and does not change their size but puts spaces between the characters in a word. The Aspect Justification spreads the words but stretches the words to fill the space as well.

The Density and Aspect methods can provide some visually interesting effects.

Go back to the top

15.1.2 Useful markdown links:

Link 1
    1. *This is link 1*
Link 2
    1. *This is link 2*
Link 3
    1. *This is link 3*
        # *Link 4*
            # *This is link 4 ordered under link 3*

15.1.2.1 I just have to store some code here, if you don't mind

15.1.2.1.1 I'll put it here

LoGiC *iS* **rEaL** *!!!*

```
if(a == 0){  a = 0; }
```

15.1.2.1.2 And also here

It's getting better

```
if (false == true) {  // log some message }
```

15.1.2.1.3 You know the process...

I'll just assert and finish this...

```
public void justAssert(){  boolean checkTrue = true;  Assert.assertTrue(checkTrue); }  //let me return true he he  public boolean trueStatement()
{  return true; }
```

15.2 Markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2markdown2-2ma

15.2.1 Formatted Text Examples

Below is an illustration of the Format toolbar used to format text:

Here are some examples of the effects different options have on text:

15.2.1.1 Font buttons:

As well as the standard Font drop down box showing a list of all the fonts on your system and the **Point** size box that allows you to set the font size, two shortcut buttons have been added that allow you to increase the selected text or group of text objects at the press of a button:

Will increase the font size by 2 points every time you press the button.

Will decrease the font size by 2 points every time you press the button.

15.2.1.2 Text Format:

The standard text format options are also available for text i.e. bold, italic, underline and outline:

> ***Note: You can combine any of these formats together, as in the last example above which is a combination of the bold, underline and outline formats.***

15.2.1.3 Text Justification:

- *Text can be aligned to the*
  1. *left,*
  2. *right,*
  3. *centre*
- *or one of the three full justifications: Full Justification, Density Justification and Aspect Justification.*

Note: The Full justification spreads the words across the page but does not change the size of them. The Density Justification also spreads the words and does not change their size but puts spaces between the characters in a word. The Aspect Justification spreads the words but stretches the words to fill the space as well.

The Density and Aspect methods can provide some visually interesting effects.

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15.2.2 Useful markdown links:

- *Link 1*
  1. *This is link 1*

Link 2

1. *This is link 2*

Link 3

1. *This is link 3*

Link 4

This is link 4 ordered under link 3

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{  return true; }
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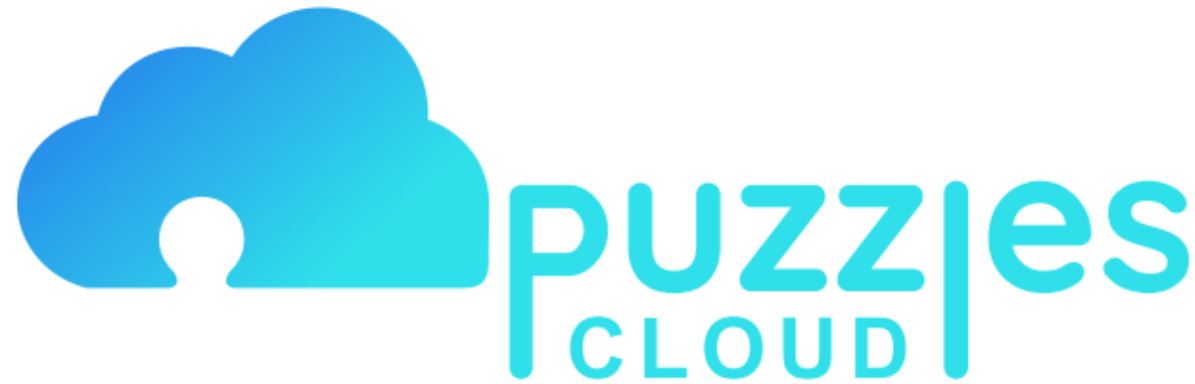

Figure 1: Last Page