**Advanced Template version: 1.0**

[[doc-title]]

[[doc-subtitle]]

[[doc-type]]

**[[doc-company]]**

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

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

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

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

Document History

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

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

Document Revision

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

Intellectual Property Rights

This document is exclusive property of [[doc-company]] and all rights are reserved.

Table of Contents

[1 Introduction 8](#__RefHeading___Toc226117_4292330188)

[1.1 References 8](#__RefHeading___Toc226119_4292330188)

[2 puzzlesCloudMDs 9](#__RefHeading___Toc226121_4292330188)

[3 Backticks 10](#__RefHeading___Toc226123_4292330188)

[3.1 Backticks MD file 10](#__RefHeading___Toc226125_4292330188)

[3.1.1 Backtickts in heading 10](#__RefHeading___Toc226127_4292330188)

[3.2 End of file 10](#__RefHeading___Toc226129_4292330188)

[4 Big 11](#__RefHeading___Toc226131_4292330188)

[4.1 Edge Service 11](#__RefHeading___Toc226133_4292330188)

[4.1.1 TODO 11](#__RefHeading___Toc226135_4292330188)

[4.1.1.1 TODO version 1.0 11](#__RefHeading___Toc226137_4292330188)

[4.1.1.2 TODO version 1.0-next 11](#__RefHeading___Toc226139_4292330188)

[4.1.2 Test environment and credentials 11](#__RefHeading___Toc226141_4292330188)

[4.1.3 Edge Service Registry 11](#__RefHeading___Toc226143_4292330188)

[4.1.4 Edge Service Relay 12](#__RefHeading___Toc226145_4292330188)

[4.1.5 Edge Service Client 12](#__RefHeading___Toc226147_4292330188)

[4.1.6 ReST API 12](#__RefHeading___Toc226149_4292330188)

[4.1.6.1 Login 12](#__RefHeading___Toc226151_4292330188)

[4.1.6.1.1 Login request 12](#__RefHeading___Toc226153_4292330188)

[4.1.6.1.2 Login response 13](#__RefHeading___Toc226155_4292330188)

[4.1.6.1.3 Cookies 13](#__RefHeading___Toc226157_4292330188)

[4.1.6.2 Logout 13](#__RefHeading___Toc226159_4292330188)

[4.1.6.2.1 Logout request 13](#__RefHeading___Toc226161_4292330188)

[4.1.6.2.2 Logout response 13](#__RefHeading___Toc226163_4292330188)

[4.1.6.3 Voucher list 13](#__RefHeading___Toc226165_4292330188)

[4.1.6.3.1 Voucher list request 14](#__RefHeading___Toc226167_4292330188)

[4.1.6.3.2 Voucher list response 14](#__RefHeading___Toc226169_4292330188)

[4.1.6.4 Voucher detail 16](#__RefHeading___Toc226171_4292330188)

[4.1.6.4.1 Voucher detail request 17](#__RefHeading___Toc226173_4292330188)

[4.1.6.4.2 Voucher detail response 17](#__RefHeading___Toc226175_4292330188)

[4.1.6.5 Voucher order 17](#__RefHeading___Toc226177_4292330188)

[4.1.6.5.1 Voucher order request 17](#__RefHeading___Toc226179_4292330188)

[4.1.6.5.2 Voucher order response 19](#__RefHeading___Toc226181_4292330188)

[4.1.6.6 Voucher order detail 19](#__RefHeading___Toc226183_4292330188)

[4.1.6.6.1 Voucher order detail request 20](#__RefHeading___Toc226185_4292330188)

[4.1.6.6.2 Voucher order detail response 20](#__RefHeading___Toc226187_4292330188)

[4.1.6.7 Provider Text 20](#__RefHeading___Toc226189_4292330188)

[4.1.6.7.1 Provider Text request 20](#__RefHeading___Toc226191_4292330188)

[4.1.6.7.2 Provider Text response 21](#__RefHeading___Toc226193_4292330188)

[4.1.6.8 Content 21](#__RefHeading___Toc226195_4292330188)

[4.1.6.8.1 Content request 21](#__RefHeading___Toc226197_4292330188)

[4.1.6.8.2 Content response 22](#__RefHeading___Toc226199_4292330188)

[4.1.6.9 Verification 22](#__RefHeading___Toc226201_4292330188)

[4.1.6.9.1 Verification request by phone number 23](#__RefHeading___Toc226203_4292330188)

[4.1.6.9.2 Verification by phone number response 23](#__RefHeading___Toc226205_4292330188)

[4.1.6.9.3 Verification request by sms 23](#__RefHeading___Toc226207_4292330188)

[4.1.6.9.4 Verification by sms number response 23](#__RefHeading___Toc226209_4292330188)

[4.1.6.10 Cookies 24](#__RefHeading___Toc226211_4292330188)

[4.1.6.10.1 Cookies request 24](#__RefHeading___Toc226213_4292330188)

[4.1.6.10.2 Cookies response 24](#__RefHeading___Toc226215_4292330188)

[4.1.6.11 Documentation 24](#__RefHeading___Toc226217_4292330188)

[4.1.6.11.1 Documentation request 25](#__RefHeading___Toc226219_4292330188)

[4.1.6.11.2 Documentation response 25](#__RefHeading___Toc226221_4292330188)

[4.1.6.12 i18 internationalization 25](#__RefHeading___Toc226223_4292330188)

[4.1.6.12.1 i18 request 25](#__RefHeading___Toc226225_4292330188)

[4.2 Edge Service 25](#__RefHeading___Toc226227_4292330188)

[4.2.1 TODO 25](#__RefHeading___Toc226229_4292330188)

[4.2.1.1 TODO version 1.0 25](#__RefHeading___Toc226231_4292330188)

[4.2.1.2 TODO version 1.0-next 26](#__RefHeading___Toc226233_4292330188)

[4.2.2 Test environment and credentials 26](#__RefHeading___Toc226235_4292330188)

[4.2.3 Edge Service Registry 26](#__RefHeading___Toc226237_4292330188)

[4.2.4 Edge Service Relay 26](#__RefHeading___Toc226239_4292330188)

[4.2.5 Edge Service Client 26](#__RefHeading___Toc226241_4292330188)

[4.2.6 ReST API 27](#__RefHeading___Toc226243_4292330188)

[4.2.6.1 Login 27](#__RefHeading___Toc226245_4292330188)

[4.2.6.1.1 Login request 27](#__RefHeading___Toc226247_4292330188)

[4.2.6.1.2 Login response 27](#__RefHeading___Toc226249_4292330188)

[4.2.6.1.3 Cookies 27](#__RefHeading___Toc226251_4292330188)

[4.2.6.2 Logout 27](#__RefHeading___Toc226253_4292330188)

[4.2.6.2.1 Logout request 27](#__RefHeading___Toc226255_4292330188)

[4.2.6.2.2 Logout response 28](#__RefHeading___Toc226257_4292330188)

[4.2.6.3 Voucher list 28](#__RefHeading___Toc226259_4292330188)

[4.2.6.3.1 Voucher list request 29](#__RefHeading___Toc226261_4292330188)

[4.2.6.3.2 Voucher list response 29](#__RefHeading___Toc226263_4292330188)

[4.2.6.4 Voucher detail 31](#__RefHeading___Toc226265_4292330188)

[4.2.6.4.1 Voucher detail request 32](#__RefHeading___Toc226267_4292330188)

[4.2.6.4.2 Voucher detail response 32](#__RefHeading___Toc226269_4292330188)

[4.2.6.5 Voucher order 32](#__RefHeading___Toc226271_4292330188)

[4.2.6.5.1 Voucher order request 32](#__RefHeading___Toc226273_4292330188)

[4.2.6.5.2 Voucher order response 34](#__RefHeading___Toc226275_4292330188)

[4.2.6.6 Voucher order detail 34](#__RefHeading___Toc226277_4292330188)

[4.2.6.6.1 Voucher order detail request 35](#__RefHeading___Toc226279_4292330188)

[4.2.6.6.2 Voucher order detail response 35](#__RefHeading___Toc226281_4292330188)

[4.2.6.7 Provider Text 35](#__RefHeading___Toc226283_4292330188)

[4.2.6.7.1 Provider Text request 35](#__RefHeading___Toc226285_4292330188)

[4.2.6.7.2 Provider Text response 36](#__RefHeading___Toc226287_4292330188)

[4.2.6.8 Content 36](#__RefHeading___Toc226289_4292330188)

[4.2.6.8.1 Content request 36](#__RefHeading___Toc226291_4292330188)

[4.2.6.8.2 Content response 37](#__RefHeading___Toc226293_4292330188)

[4.2.6.9 Verification 37](#__RefHeading___Toc226295_4292330188)

[4.2.6.9.1 Verification request by phone number 38](#__RefHeading___Toc226297_4292330188)

[4.2.6.9.2 Verification by phone number response 38](#__RefHeading___Toc226299_4292330188)

[4.2.6.9.3 Verification request by sms 38](#__RefHeading___Toc226301_4292330188)

[4.2.6.9.4 Verification by sms number response 38](#__RefHeading___Toc226303_4292330188)

[4.2.6.10 Cookies 39](#__RefHeading___Toc226305_4292330188)

[4.2.6.10.1 Cookies request 39](#__RefHeading___Toc226307_4292330188)

[4.2.6.10.2 Cookies response 39](#__RefHeading___Toc226309_4292330188)

[4.2.6.11 Documentation 39](#__RefHeading___Toc226311_4292330188)

[4.2.6.11.1 Documentation request 40](#__RefHeading___Toc226313_4292330188)

[4.2.6.11.2 Documentation response 40](#__RefHeading___Toc226315_4292330188)

[4.2.6.12 i18 internationalization 40](#__RefHeading___Toc226317_4292330188)

[4.2.6.12.1 i18 request 40](#__RefHeading___Toc226319_4292330188)

[4.3 Edge Service 40](#__RefHeading___Toc226321_4292330188)

[4.3.1 TODO 40](#__RefHeading___Toc226323_4292330188)

[4.3.1.1 TODO version 1.0 40](#__RefHeading___Toc226325_4292330188)

[4.3.1.2 TODO version 1.0-next 41](#__RefHeading___Toc226327_4292330188)

[4.3.2 Test environment and credentials 41](#__RefHeading___Toc226329_4292330188)

[4.3.3 Edge Service Registry 41](#__RefHeading___Toc226331_4292330188)

[4.3.4 Edge Service Relay 41](#__RefHeading___Toc226333_4292330188)

[4.3.5 Edge Service Client 41](#__RefHeading___Toc226335_4292330188)

[4.3.6 ReST API 42](#__RefHeading___Toc226337_4292330188)

[4.3.6.1 Login 42](#__RefHeading___Toc226339_4292330188)

[4.3.6.1.1 Login request 42](#__RefHeading___Toc226341_4292330188)

[4.3.6.1.2 Login response 42](#__RefHeading___Toc226343_4292330188)

[4.3.6.1.3 Cookies 42](#__RefHeading___Toc226345_4292330188)

[4.3.6.2 Logout 42](#__RefHeading___Toc226347_4292330188)

[4.3.6.2.1 Logout request 42](#__RefHeading___Toc226349_4292330188)

[4.3.6.2.2 Logout response 43](#__RefHeading___Toc226351_4292330188)

[4.3.6.3 Voucher list 43](#__RefHeading___Toc226353_4292330188)

[4.3.6.3.1 Voucher list request 44](#__RefHeading___Toc226355_4292330188)

[4.3.6.3.2 Voucher list response 44](#__RefHeading___Toc226357_4292330188)

[4.3.6.4 Voucher detail 46](#__RefHeading___Toc226359_4292330188)

[4.3.6.4.1 Voucher detail request 47](#__RefHeading___Toc226361_4292330188)

[4.3.6.4.2 Voucher detail response 47](#__RefHeading___Toc226363_4292330188)

[4.3.6.5 Voucher order 47](#__RefHeading___Toc226365_4292330188)

[4.3.6.5.1 Voucher order request 47](#__RefHeading___Toc226367_4292330188)

[4.3.6.5.2 Voucher order response 49](#__RefHeading___Toc226369_4292330188)

[4.3.6.6 Voucher order detail 49](#__RefHeading___Toc226371_4292330188)

[4.3.6.6.1 Voucher order detail request 50](#__RefHeading___Toc226373_4292330188)

[4.3.6.6.2 Voucher order detail response 50](#__RefHeading___Toc226375_4292330188)

[4.3.6.7 Provider Text 50](#__RefHeading___Toc226377_4292330188)

[4.3.6.7.1 Provider Text request 50](#__RefHeading___Toc226379_4292330188)

[4.3.6.7.2 Provider Text response 51](#__RefHeading___Toc226381_4292330188)

[4.3.6.8 Content 51](#__RefHeading___Toc226383_4292330188)

[4.3.6.8.1 Content request 51](#__RefHeading___Toc226385_4292330188)

[4.3.6.8.2 Content response 52](#__RefHeading___Toc226387_4292330188)

[4.3.6.9 Verification 52](#__RefHeading___Toc226389_4292330188)

[4.3.6.9.1 Verification request by phone number 53](#__RefHeading___Toc226391_4292330188)

[4.3.6.9.2 Verification by phone number response 53](#__RefHeading___Toc226393_4292330188)

[4.3.6.9.3 Verification request by sms 53](#__RefHeading___Toc226395_4292330188)

[4.3.6.9.4 Verification by sms number response 53](#__RefHeading___Toc226397_4292330188)

[4.3.6.10 Cookies 54](#__RefHeading___Toc226399_4292330188)

[4.3.6.10.1 Cookies request 54](#__RefHeading___Toc226401_4292330188)

[4.3.6.10.2 Cookies response 54](#__RefHeading___Toc226403_4292330188)

[4.3.6.11 Documentation 54](#__RefHeading___Toc226405_4292330188)

[4.3.6.11.1 Documentation request 55](#__RefHeading___Toc226407_4292330188)

[4.3.6.11.2 Documentation response 55](#__RefHeading___Toc226409_4292330188)

[4.3.6.12 i18 internationalization 55](#__RefHeading___Toc226411_4292330188)

[4.3.6.12.1 i18 request 55](#__RefHeading___Toc226413_4292330188)

[4.4 Edge Service 55](#__RefHeading___Toc226415_4292330188)

[4.4.1 TODO 55](#__RefHeading___Toc226417_4292330188)

[4.4.1.1 TODO version 1.0 55](#__RefHeading___Toc226419_4292330188)

[4.4.1.2 TODO version 1.0-next 56](#__RefHeading___Toc226421_4292330188)

[4.4.2 Test environment and credentials 56](#__RefHeading___Toc226423_4292330188)

[4.4.3 Edge Service Registry 56](#__RefHeading___Toc226425_4292330188)

[4.4.4 Edge Service Relay 56](#__RefHeading___Toc226427_4292330188)

[4.4.5 Edge Service Client 56](#__RefHeading___Toc226429_4292330188)

[4.4.6 ReST API 57](#__RefHeading___Toc226431_4292330188)

[4.4.6.1 Login 57](#__RefHeading___Toc226433_4292330188)

[4.4.6.1.1 Login request 57](#__RefHeading___Toc226435_4292330188)

[4.4.6.1.2 Login response 57](#__RefHeading___Toc226437_4292330188)

[4.4.6.1.3 Cookies 57](#__RefHeading___Toc226439_4292330188)

[4.4.6.2 Logout 57](#__RefHeading___Toc226441_4292330188)

[4.4.6.2.1 Logout request 57](#__RefHeading___Toc226443_4292330188)

[4.4.6.2.2 Logout response 58](#__RefHeading___Toc226445_4292330188)

[4.4.6.3 Voucher list 58](#__RefHeading___Toc226447_4292330188)

[4.4.6.3.1 Voucher list request 59](#__RefHeading___Toc226449_4292330188)

[4.4.6.3.2 Voucher list response 59](#__RefHeading___Toc226451_4292330188)

[4.4.6.4 Voucher detail 61](#__RefHeading___Toc226453_4292330188)

[4.4.6.4.1 Voucher detail request 62](#__RefHeading___Toc226455_4292330188)

[4.4.6.4.2 Voucher detail response 62](#__RefHeading___Toc226457_4292330188)

[4.4.6.5 Voucher order 62](#__RefHeading___Toc226459_4292330188)

[4.4.6.5.1 Voucher order request 62](#__RefHeading___Toc226461_4292330188)

[4.4.6.5.2 Voucher order response 64](#__RefHeading___Toc226463_4292330188)

[4.4.6.6 Voucher order detail 64](#__RefHeading___Toc226465_4292330188)

[4.4.6.6.1 Voucher order detail request 65](#__RefHeading___Toc226467_4292330188)

[4.4.6.6.2 Voucher order detail response 65](#__RefHeading___Toc226469_4292330188)

[4.4.6.7 Provider Text 65](#__RefHeading___Toc226471_4292330188)

[4.4.6.7.1 Provider Text request 65](#__RefHeading___Toc226473_4292330188)

[4.4.6.7.2 Provider Text response 66](#__RefHeading___Toc226475_4292330188)

[4.4.6.8 Content 66](#__RefHeading___Toc226477_4292330188)

[4.4.6.8.1 Content request 66](#__RefHeading___Toc226479_4292330188)

[4.4.6.8.2 Content response 67](#__RefHeading___Toc226481_4292330188)

[4.4.6.9 Verification 67](#__RefHeading___Toc226483_4292330188)

[4.4.6.9.1 Verification request by phone number 68](#__RefHeading___Toc226485_4292330188)

[4.4.6.9.2 Verification by phone number response 68](#__RefHeading___Toc226487_4292330188)

[4.4.6.9.3 Verification request by sms 68](#__RefHeading___Toc226489_4292330188)

[4.4.6.9.4 Verification by sms number response 68](#__RefHeading___Toc226491_4292330188)

[4.4.6.10 Cookies 69](#__RefHeading___Toc226493_4292330188)

[4.4.6.10.1 Cookies request 69](#__RefHeading___Toc226495_4292330188)

[4.4.6.10.2 Cookies response 69](#__RefHeading___Toc226497_4292330188)

[4.4.6.11 Documentation 69](#__RefHeading___Toc226499_4292330188)

[4.4.6.11.1 Documentation request 70](#__RefHeading___Toc226501_4292330188)

[4.4.6.11.2 Documentation response 70](#__RefHeading___Toc226503_4292330188)

[4.4.6.12 i18 internationalization 70](#__RefHeading___Toc226505_4292330188)

[4.4.6.12.1 i18 request 70](#__RefHeading___Toc226507_4292330188)

[4.5 Edge Service 70](#__RefHeading___Toc226509_4292330188)

[4.5.1 TODO 70](#__RefHeading___Toc226511_4292330188)

[4.5.1.1 TODO version 1.0 70](#__RefHeading___Toc226513_4292330188)

[4.5.1.2 TODO version 1.0-next 71](#__RefHeading___Toc226515_4292330188)

[4.5.2 Test environment and credentials 71](#__RefHeading___Toc226517_4292330188)

[4.5.3 Edge Service Registry 71](#__RefHeading___Toc226519_4292330188)

[4.5.4 Edge Service Relay 71](#__RefHeading___Toc226521_4292330188)

[4.5.5 Edge Service Client 71](#__RefHeading___Toc226523_4292330188)

[4.5.6 ReST API 72](#__RefHeading___Toc226525_4292330188)

[4.5.6.1 Login 72](#__RefHeading___Toc226527_4292330188)

[4.5.6.1.1 Login request 72](#__RefHeading___Toc226529_4292330188)

[4.5.6.1.2 Login response 72](#__RefHeading___Toc226531_4292330188)

[4.5.6.1.3 Cookies 72](#__RefHeading___Toc226533_4292330188)

[4.5.6.2 Logout 72](#__RefHeading___Toc226535_4292330188)

[4.5.6.2.1 Logout request 72](#__RefHeading___Toc226537_4292330188)

[4.5.6.2.2 Logout response 73](#__RefHeading___Toc226539_4292330188)

[4.5.6.3 Voucher list 73](#__RefHeading___Toc226541_4292330188)

[4.5.6.3.1 Voucher list request 74](#__RefHeading___Toc226543_4292330188)

[4.5.6.3.2 Voucher list response 74](#__RefHeading___Toc226545_4292330188)

[4.5.6.4 Voucher detail 76](#__RefHeading___Toc226547_4292330188)

[4.5.6.4.1 Voucher detail request 77](#__RefHeading___Toc226549_4292330188)

[4.5.6.4.2 Voucher detail response 77](#__RefHeading___Toc226551_4292330188)

[4.5.6.5 Voucher order 77](#__RefHeading___Toc226553_4292330188)

[4.5.6.5.1 Voucher order request 77](#__RefHeading___Toc226555_4292330188)

[4.5.6.5.2 Voucher order response 79](#__RefHeading___Toc226557_4292330188)

[4.5.6.6 Voucher order detail 79](#__RefHeading___Toc226559_4292330188)

[4.5.6.6.1 Voucher order detail request 80](#__RefHeading___Toc226561_4292330188)

[4.5.6.6.2 Voucher order detail response 80](#__RefHeading___Toc226563_4292330188)

[4.5.6.7 Provider Text 80](#__RefHeading___Toc226565_4292330188)

[4.5.6.7.1 Provider Text request 80](#__RefHeading___Toc226567_4292330188)

[4.5.6.7.2 Provider Text response 81](#__RefHeading___Toc226569_4292330188)

[4.5.6.8 Content 81](#__RefHeading___Toc226571_4292330188)

[4.5.6.8.1 Content request 81](#__RefHeading___Toc226573_4292330188)

[4.5.6.8.2 Content response 82](#__RefHeading___Toc226575_4292330188)

[4.5.6.9 Verification 82](#__RefHeading___Toc226577_4292330188)

[4.5.6.9.1 Verification request by phone number 83](#__RefHeading___Toc226579_4292330188)

[4.5.6.9.2 Verification by phone number response 83](#__RefHeading___Toc226581_4292330188)

[4.5.6.9.3 Verification request by sms 83](#__RefHeading___Toc226583_4292330188)

[4.5.6.9.4 Verification by sms number response 83](#__RefHeading___Toc226585_4292330188)

[4.5.6.10 Cookies 84](#__RefHeading___Toc226587_4292330188)

[4.5.6.10.1 Cookies request 84](#__RefHeading___Toc226589_4292330188)

[4.5.6.10.2 Cookies response 84](#__RefHeading___Toc226591_4292330188)

[4.5.6.11 Documentation 84](#__RefHeading___Toc226593_4292330188)

[4.5.6.11.1 Documentation request 85](#__RefHeading___Toc226595_4292330188)

[4.5.6.11.2 Documentation response 85](#__RefHeading___Toc226597_4292330188)

[4.5.6.12 i18 internationalization 85](#__RefHeading___Toc226599_4292330188)

[4.5.6.12.1 i18 request 85](#__RefHeading___Toc226601_4292330188)

Table of Tables

[Table 1: Document references 8](#Table!0|sequence)

Table of Figures

[Figure 1: Last Page 86](#Figure!0|sequence)

# Introduction

## References

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

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

Table 1: Document references

# puzzlesCloudMDs

pc md 1 2

# Backticks

## Backticks MD file

this is single line of backticks

Tis is text which contains text under backticks

this is backticks this is regular text

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

### Backtickts in heading

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

## End of file

test

# Big

## Edge Service

123456 The Edge Service provides the interface between the public REST API and internal AMQP API.

### TODO

#### TODO version 1.0

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

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

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

### Edge Service Registry

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

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

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

### Edge Service Relay

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

See [Message Relay] for more information.

### Edge Service Client

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

### ReST API

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

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

#### Login

##### Login request

| Variables | Description | Example |
| --- | --- | --- |
| ICP\_SHOP\_ID | see [Test environment and credentials] |  |
| ICP\_SHOP\_PASSPHRASE | see [Test environment and credentials] |  |
| ICP\_SHOP\_DIGEST | Derived from ${ICP\_SHOP\_ID} and ${ICP\_SHOP\_PASSPHRASE} | MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl |

POST /api/rest/v1/auth/login HTTP/1.1  
 Authorization: Basic ${ICP\_SHOP\_DIGEST}  
 Accept: application/vnd.api+json

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### Voucher list response

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

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

#### Voucher detail

##### Voucher detail request

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

##### Voucher detail response

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

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

#### Voucher order

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

##### Voucher order request

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

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

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

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

##### Voucher order response

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

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

#### Voucher order detail

##### Voucher order detail request

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

##### Voucher order detail response

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

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

#### Provider Text

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

##### Provider Text request

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

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

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

##### Provider Text response

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

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

#### Content

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

##### Content request

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

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

##### Content response

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

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

#### Verification

See for more information on the source of these fields.

##### Verification request by phone number

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

##### Verification by phone number response

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

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

##### Verification request by sms

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

##### Verification by sms number response

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

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

#### Cookies

##### Cookies request

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

##### Cookies response

HTTP/1.1 200 OK

#### Documentation

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

##### Documentation request

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

##### Documentation response

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

HTTP/1.1 200 OK

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

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

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

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

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

### Edge Service Registry

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

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

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

### Edge Service Relay

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

See [Message Relay] for more information.

### Edge Service Client

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

### ReST API

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

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

#### Login

##### Login request

| Variables | Description | Example |
| --- | --- | --- |
| ICP\_SHOP\_ID | see [Test environment and credentials] |  |
| ICP\_SHOP\_PASSPHRASE | see [Test environment and credentials] |  |
| ICP\_SHOP\_DIGEST | Derived from ${ICP\_SHOP\_ID} and ${ICP\_SHOP\_PASSPHRASE} | MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl |

POST /api/rest/v1/auth/login HTTP/1.1  
 Authorization: Basic ${ICP\_SHOP\_DIGEST}  
 Accept: application/vnd.api+json

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### Voucher list response

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

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

#### Voucher detail

##### Voucher detail request

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

##### Voucher detail response

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

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

#### Voucher order

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

##### Voucher order request

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

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

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

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

##### Voucher order response

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

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

#### Voucher order detail

##### Voucher order detail request

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

##### Voucher order detail response

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

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

#### Provider Text

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

##### Provider Text request

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

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

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

##### Provider Text response

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

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

#### Content

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

##### Content request

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

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

##### Content response

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

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

#### Verification

See for more information on the source of these fields.

##### Verification request by phone number

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

##### Verification by phone number response

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

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

##### Verification request by sms

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

##### Verification by sms number response

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

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

#### Cookies

##### Cookies request

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

##### Cookies response

HTTP/1.1 200 OK

#### Documentation

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

##### Documentation request

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

##### Documentation response

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

HTTP/1.1 200 OK

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

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

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

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

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

### Edge Service Registry

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

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

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

### Edge Service Relay

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

See [Message Relay] for more information.

### Edge Service Client

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

### ReST API

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

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

#### Login

##### Login request

| Variables | Description | Example |
| --- | --- | --- |
| ICP\_SHOP\_ID | see [Test environment and credentials] |  |
| ICP\_SHOP\_PASSPHRASE | see [Test environment and credentials] |  |
| ICP\_SHOP\_DIGEST | Derived from ${ICP\_SHOP\_ID} and ${ICP\_SHOP\_PASSPHRASE} | MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl |

POST /api/rest/v1/auth/login HTTP/1.1  
 Authorization: Basic ${ICP\_SHOP\_DIGEST}  
 Accept: application/vnd.api+json

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### Voucher list response

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

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

#### Voucher detail

##### Voucher detail request

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

##### Voucher detail response

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

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

#### Voucher order

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

##### Voucher order request

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

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

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

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

##### Voucher order response

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

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

#### Voucher order detail

##### Voucher order detail request

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

##### Voucher order detail response

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

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

#### Provider Text

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

##### Provider Text request

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

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

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

##### Provider Text response

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

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

#### Content

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

##### Content request

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

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

##### Content response

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

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

#### Verification

See for more information on the source of these fields.

##### Verification request by phone number

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

##### Verification by phone number response

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

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

##### Verification request by sms

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

##### Verification by sms number response

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

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

#### Cookies

##### Cookies request

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

##### Cookies response

HTTP/1.1 200 OK

#### Documentation

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

##### Documentation request

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

##### Documentation response

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

HTTP/1.1 200 OK

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

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

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

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

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

### Edge Service Registry

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

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

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

### Edge Service Relay

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

See [Message Relay] for more information.

### Edge Service Client

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

### ReST API

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

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

#### Login

##### Login request

| Variables | Description | Example |
| --- | --- | --- |
| ICP\_SHOP\_ID | see [Test environment and credentials] |  |
| ICP\_SHOP\_PASSPHRASE | see [Test environment and credentials] |  |
| ICP\_SHOP\_DIGEST | Derived from ${ICP\_SHOP\_ID} and ${ICP\_SHOP\_PASSPHRASE} | MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl |

POST /api/rest/v1/auth/login HTTP/1.1  
 Authorization: Basic ${ICP\_SHOP\_DIGEST}  
 Accept: application/vnd.api+json

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### Voucher list response

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

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

#### Voucher detail

##### Voucher detail request

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

##### Voucher detail response

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

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

#### Voucher order

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

##### Voucher order request

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

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

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

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

##### Voucher order response

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

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

#### Voucher order detail

##### Voucher order detail request

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

##### Voucher order detail response

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

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

#### Provider Text

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

##### Provider Text request

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

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

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

##### Provider Text response

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

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

#### Content

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

##### Content request

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

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

##### Content response

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

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

#### Verification

See for more information on the source of these fields.

##### Verification request by phone number

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

##### Verification by phone number response

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

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

##### Verification request by sms

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

##### Verification by sms number response

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

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

#### Cookies

##### Cookies request

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

##### Cookies response

HTTP/1.1 200 OK

#### Documentation

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

##### Documentation request

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

##### Documentation response

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

HTTP/1.1 200 OK

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

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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

## Edge Service

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

### TODO

#### TODO version 1.0

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

#### TODO version 1.0-next

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

### Test environment and credentials

TODO

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

### Edge Service Registry

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

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

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

### Edge Service Relay

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

See [Message Relay] for more information.

### Edge Service Client

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

### ReST API

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

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

#### Login

##### Login request

| Variables | Description | Example |
| --- | --- | --- |
| ICP\_SHOP\_ID | see [Test environment and credentials] |  |
| ICP\_SHOP\_PASSPHRASE | see [Test environment and credentials] |  |
| ICP\_SHOP\_DIGEST | Derived from ${ICP\_SHOP\_ID} and ${ICP\_SHOP\_PASSPHRASE} | MzAwMDAwMTY6dG9wLXNlY3JldC1wYXNzcGhyYXNl |

POST /api/rest/v1/auth/login HTTP/1.1  
 Authorization: Basic ${ICP\_SHOP\_DIGEST}  
 Accept: application/vnd.api+json

##### Login response

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

##### Cookies

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

#### Logout

##### Logout request

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

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

##### Logout response

HTTP/1.1 204 No Content

#### Voucher list

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

##### Voucher list request

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

##### Voucher list response

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

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

#### Voucher detail

##### Voucher detail request

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

##### Voucher detail response

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

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

#### Voucher order

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

##### Voucher order request

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

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

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

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

##### Voucher order response

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

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

#### Voucher order detail

##### Voucher order detail request

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

##### Voucher order detail response

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

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

#### Provider Text

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

##### Provider Text request

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

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

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

##### Provider Text response

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

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

#### Content

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

##### Content request

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

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

##### Content response

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

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

#### Verification

See for more information on the source of these fields.

##### Verification request by phone number

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

##### Verification by phone number response

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

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

##### Verification request by sms

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

##### Verification by sms number response

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

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

#### Cookies

##### Cookies request

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

##### Cookies response

HTTP/1.1 200 OK

#### Documentation

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

##### Documentation request

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

##### Documentation response

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

HTTP/1.1 200 OK

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

#### i18 internationalization

* Retrieves i18next json based on requested language

##### i18 request

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



Figure 1: Last Page