SmartVista InstantIssue Web Service

SOAP API Developer Reference

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1. PREFACE
   1. Revision history

| Revision | Date | Author | Details |
| --- | --- | --- | --- |
| 0.1 | 25.08.2016 | A. Perminov | Initial version |
|  | 26.09.2016 | M.Gasanov | unload card and account |
| 0.2 | 18.04.2016 | I. Kazakov | PIN block is added to card info |
| 0.3 | 05.05.2018 | A. Kulikov | Add issue date into process IBG data |

1. SMARTVISTA Instant Issue service description

InstantIssue web service is used to integrate SVII (SmartVista Instant Issue) and SVBO (SmartVista Back Office). SVII sends getCardInfo request to get card data for cardgen and then, after card is issued, updates card state and security data via processIBGData operation.

Instant issue service is secured, so you must provide a SOAP security header with a request.

Example:

<soapenv:Header xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">

<wsse:Security>

<wsse:UsernameToken>

<wsse:Username>admin</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">admin</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

</soapenv:Header>

Web service is deployed under /InstantIssue context path, for example:

http://localapp:7001/sv/InstantIssue

1. SMARTVISTA Instant Issue service METHODS
   1. Request for OCG data

Provides card data for Cardgen

* + 1. Request format

Operation: getCardInfo

| Tag name | Data type | Length | Occurrence (min-max) | Description |
| --- | --- | --- | --- | --- |
| getCardInfoRequest | | | | |
| applId | Long | 12 | 1-1 | Application id |
| includeLimits | boolean |  | 0-1 | Include information about limits in response. Default: false |
| lang | string | 8 | 0-1 | Language. Please refer to LANG dictionary. |

* + 1. Response format

| Tag name | Data type | Length | Occurrence (min-max) | Description |
| --- | --- | --- | --- | --- |
| getCardInfoResponse | | | | |
| account | complex |  | 0-\* |  |
| card\_number | string | 24 | 0-1 | Card number |
| card\_mask | string | 24 | 0-1 | Card number mask |
| card\_id | long | 12 | 0-1 | Card identifier |
| card\_iss\_date | date |  | 0-1 | Date of card issuing |
| card\_start\_date | date |  | 0-1 | Card validity start date |
| expiration\_date | date |  | 0-1 | Card expire date |
| sequential\_number | int | 4 | 0-1 | Sequential number of plastic (card instance) |
| card\_status | string | 8 | 0-1 | Status of card. Value from dictionary CSTS |
| card\_state | string | 8 | 0-1 | State of card. Value from dictionary CSTE |
| pvv | int | 4 | 0-1 | PVV value |
| pin\_offset | int | 4 | 0-1 | PIN offset |
| pin\_block | string | 16 | 0-1 | PIN block |
| pin\_update\_flag | boolean |  | 0-1 | PIN update flag |
| card\_type\_id | long | 8 | 0-1 | Card type identifier |
| prev\_card\_number | string | 24 | 0-1 | Previous card number |
| agent\_number | string | 200 | 0-1 | Agent code |
| agent\_name | string | 200 | 0-1 | Name of the agent |
| delivery\_agent\_number | string | 200 | 0-1 | External number of agent delivery |
| delivery\_agent\_name | string | 200 | 0-1 | Name of agent delivery |
| product\_number | string | 200 | 0-1 | Product code |
| product\_name | string | 200 | 0-1 | Product name |
| customer | complex |  | 0-1 | Customer data |
| cardholder | complex |  | 0-1 | Cardholder data |
| account | complex |  | 0-1 | Account data |
| limits | complex |  | 0-1 | Limits data |
| notification | complex |  | 0-1 | Notification data |
| service\_code | string | 3 | 0-1 | Service code |
| customer | | | | |
| customer\_number | string | 200 | 0-1 | External identifier of customer. Should be unique within an institution. |
| customer\_category | string | 8 | 0-1 | Customer category: regular, privileged, VIP etc. Value from dictionary CCTG. |
| customer\_relation | string | 8 | 0-1 | Customer relation type: affiliate, employee, insider, no relation. Value from dictionary RSCB. |
| resident | int | 1 | 0-1 | Resident flag: 1 – resident, 0 – nonresident. |
| nationality | string | 3 | 0-1 | Nationality. Numeric ISO code of country of nationality. |
| credit\_rating | string | 8 | 0-1 | Category of customer quality (creditworthiness). Value from dictionary CRDR. |
| money\_laundry\_risk | string | 8 | 0-1 | Risk of money laundry by customer: high, low. Value from dictionary MOLR. |
| money\_laundry\_reason | string | 8 | 0-1 | Reason of high risk of money laundry. Value from dictionary MLRS. |
| cardholder | | | | |
| cardholder\_number | string | 200 | 0-1 | External cardholder identifier |
| cardholder\_name | string | 200 | 0-1 | Embossed cardholder name |
| person | complex |  | 0-1 | Cardholder person data. In case person is not defined then both cardholder and customer are the same person. Only if customer type is person. |
| address | complex |  | 0-\* | Cardholder post addresses |
| contact | complex |  | 0-\* | Cardholder contact data |
| person\_title | string | 8 | 0-1 | Title: Mrs., Mss., Dr. Value from dictionary PTTL. |
| person\_name | complex |  | 1-2 | Person name. Could be provided in a few languages. |
| suffix | string | 8 | 0-1 | Name suffix: Sr., Jr. Value from dictionary PSFX. |
| birthday | date |  | 0-1 | Date of birth |
| place\_of\_birth | string | 200 | 0-1 | Place of birth. In free form. |
| gender | string | 8 | 0-1 | Gender: Male, Female. Dictionary GNDR value. |
| identity\_card | complex |  | 0-3 | ID data. |
| identity\_card | | | | |
| id\_type | string | 8 | 1-1 | ID type: passport, driver license etc. Value from dictionary IDTP. |
| id\_series | string | 200 | 0-1 | ID series |
| id\_number | string | 200 | 1-1 | ID number |
| id\_issuer | string | 200 | 0-1 | Issuing authority |
| id\_issue\_date | date |  | 0-1 | Validity start date |
| id\_expire\_date | date |  | 0-1 | Expiration date |
| id\_desc | string | 2000 | 0-1 | Description in free form |
| person | | | | |
| person\_title | string | 8 | 0-1 | Title: Mrs., Mss., Dr. Value from dictionary PTTL. |
| person\_name | complex |  | 1-2 | Person name. Could be provided in a few languages. |
| suffix | string | 8 | 0-1 | Name suffix: Sr., Jr. Value from dictionary PSFX. |
| birthday | date |  | 0-1 | Date of birth |
| place\_of\_birth | string | 200 | 0-1 | Place of birth. In free form. |
| gender | string | 8 | 0-1 | Gender: Male, Female. Dictionary value. |
| identity\_card | complex |  | 0-3 | ID data. |
| address | | | | |
| address\_type | string | 8 | 1-1 | Address purpose: business, legal, home, delivery. Value from dictionary ADTP. |
| country | string | 3 | 1-1 | Numeric ISO country code. ISO Dictionary value. |
| address\_name | complex |  | 1-2 | Address text data which could be provided as multilingual. Should contain an attribute LANGUAGE to display language in which the data is. |
| house | string | 200 | 1-1 | House number |
| apartment | string | 200 | 0-1 | Office or apartment number |
| postal\_code | string | 4-10 | 0-1 | Postal code |
| place\_code | string | 200 | 0-1 | Place code |
| region\_code | string | 8 | 0-1 | Region code |
| latitude | float | 10 | 0-1 | Location coordinates – latitude (N) |
| longitude | float | 10 | 0-1 | Location coordinates – longitude (W) |
| address\_name | | | | |
| region | string | 200 | 0-1 | Country region (State, Province) |
| city | string | 200 | 1-1 | City |
| street | string | 200 | 1-1 | Street |
| contact | | | | |
| contact\_type | string | 8 | 1-1 | Contact purpose (owner): primary, secondary, notification, CEO, CFO etc. Value from dictionary CNTT. |
| commun\_method | string | 8 | 1-1 | Communication method: phone, fax, email, Skype etc. Value from dictionary CMNM. |
| commun\_address | string | 200 | 1-1 | Communication identifier: phone number, email address, Skype user name etc. |
| account | | | | |
| account\_number | string | 32 | 0-1 | Account number. Unique within institution. |
| currency | string | 3 | 0-1 | Account currency. Numeric ISO currency code. |
| account\_type | string | 8 | 0-1 | Account type: credit, checking, savings etc. Value from dictionary ACTP. |
| account\_status | string | 8 | 0-1 | Account status: active, suspended, closed. Value from dictionary ACST. |
| is\_pos\_default | int | 1 | 0-1 | Default account for POS |
| is\_atm\_default | int | 1 | 0-1 | Default account for ATM |
| limits | | | | |
| limit | complex |  | 0-\* | Account number. Unique within institution. |
| limit | | | | |
| account\_number | string | 32 | 0-1 | Account number. Unique within institution. |
| limit\_type | string | 8 | 1-1 | Limit type. Value from dictionary LMTP |
| sum\_limit | long | 12 | 1-1 | Sum threshold |
| count\_limit | long | 14 | 1-1 | Count threshold |
| sum\_current | long | 14 | 1-1 | Limit sum |
| currency | string | 5 | 1-1 | Limit currency |
| next\_date | date |  | 1-1 | Ending date of the current limit period |
| length\_type | string | 8 | 0-1 | Time period unit. Value from dictionary LNGT. |
| cycle\_length | int | 8 | 0-1 | Length of period in period units |
| notification | | | | |
| service\_id | long | 8 | 1-1 | Notification service id |
| notification\_event | string | 8 | 0-1 | A notification event the settings passed relate to. If not set then settings will used for all events. |
| delivery\_channel | int | 4 | 1-1 | A method of notification delivery. Values are taken from dictionary. |
| delivery\_address | string | 200 | 1-1 | An address of notification delivery according to a method. |
| is\_active | int | 1 | 1-1 | Indicates whether a notification is active or not. |

* + 1. Response format

On successful completion, service returns “0” as result.

* 1. Report on card generation

Updates card state and security data

* + 1. Request format

Operation: processIBGData

| Tag name | Data type | Length | Occurrence (min-max) | Description |
| --- | --- | --- | --- | --- |
| processIBGDataRequest | | | | |
| card\_id | Long | 12 | 1-1 | Application id |
| card\_number | string | 26 | 0-1 | Card number |
| expiration\_date | date |  | 0-1 | Card expiration date |
| card\_sequental\_number | int | 2 | 0-1 | Card instance number |
| card\_instance\_id | long | 12 | 0-1 | Card instance identifier |
| state | string | 8 | 0-1 | Card state. Please refer to CSTE dictionary. |
| card\_security | complex |  | 0-1 | Card security data |
| issue\_date | date | 10 | 0-1 | Card issue date |
| card\_security | | | | |
| pvv | int | 4 | 0-1 | PVV value | |
| pin\_offset | long | 12 | 0-1 | PIN offset |
| pin\_block | string | 16 | 0-1 | PIN block |
| pvk\_index | int | 4 | 0-1 | PVK index is used for PVV generation |
| pin\_block\_format | string | 8 | 0-1 | PIN block format. Value from dictionary PNBF. |

* Card to be updated is searched using the combination of input parameters
* If card\_id is provided, card will be looked up using card\_id + (expiration\_date or card\_sequental\_number)
* If card\_number is provided, card will be looked up using card\_id + (expiration\_date or card\_sequental\_number)
* If neither card\_id nor card\_number is provided, card will be looked up using card\_instance\_id
  1. Force card uploading to SVFE

Generates CREF and DBAL data for particular card to be sent to SVFE

* + 1. Request format

Operation: unloadCardData

| Tag name | Data type | Length | Occurrence (min-max) | Description |
| --- | --- | --- | --- | --- |
| unloadCardDataRequest | | | | |
| card\_id | Long | 12 | 1-1 | Card id |
| includeLimits | boolean |  | 0-1 | Include information about limits in response. Default: false |
| includeService | boolean |  | 0-1 | Include information about Service in response. Default: false |
| lang | string | 8 | 0-1 | Language. Please refer to LANG dictionary. |

* + 1. Response format

| Tag name | Data type | Length | Occurrence (min-max) | Description |
| --- | --- | --- | --- | --- |
| unloadCardDataResponse | | | | |
| accountInfo | string |  | 0-1 | Information about account |
| cardInfo | string |  | 0-1 | Information about card |