#### Application Programming Interface (API)

| **Work Effort Profile** |
| --- |

| **Business Unit No.** | **Primary System (if known)** | **Work Effort** |
| --- | --- | --- |
|  | Mobile Banking Middleware (Consumer) |  |

| **Work Effort Name** | eConnect API Specification for Mobile Banking | |
| --- | --- | --- |
|  |  |
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| **Date Document Issued** |  | |
| **Document Version** | 2.0 | |

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# INTRODUCTION

This is a specifications document for the application programming interface (API) to support commercial mobile banking application.

# API – RULES OF THE ROAD

## PROTOCOL

All API endpoints are only accessible using **https** and API host is at **api.svbeconnect.com**.

## STRUCTURE

The data interchange format for request and response is JSON (JavaScript Object Notation). Every request and response body contains meta, data and pagination sections. The structure provides self contained data set in a predictable way.

|  |
| --- |
| {  “meta”: {  …  },  “data”: {  …  },  } |

**META**

The meta key is used for additional information about the request or response. An example could be an error code and corresponding error message.

Server response will include “accessToken” and “accessTokenSequence” in all the responses.

accessTokenSequence is timestamp of token in long.

**DATA**

The data key is the main repository of data related to the request or response to successfully complete the operation. It may be an array or data representing single object.

Date fields – All date fields should have field names ending with “xxxDate” and the value must conform to the following format “2012-09-10T10:22:44”

## HTTP METHOD

The POST method must be used for all requests to the web services endpoint. The POST method allows the implementation to communicate data in the request body. Please note that there may be URL parameters on some web service endpoints.

# API

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| --- |
| Authenticate : /api/logon/authenticate.svc |

Authenticates a client user.

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/logon/authenticate.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/logon/authenticate.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "42f32011116905d8a8718784eaab3eb0"  },  "data": {  "userName": "user",  "password": "pwd"  }  } | HTTP/1.1 200 OK  Date: Mon, 10 Sep 2012 21:41:07 GMT  Content-Encoding: gzip  X-Powered-By: Servlet/2.5 JSP/2.1  Content-Length: 543  Pragma: No-cache  Content-Type: application/json;charset=ISO-8859-1  Cache-Control: no-cache  Set-Cookie: OnlineSiliconDummy=fFTZQTpT957XRvkRlynPyvRyxYzjwJV1zyGDTkXWKxyQDwHJTnx8!-1820840335; path=/; HttpOnly Expires: 0  {  "data": {  "name": {  "familyName": "FamilyName",  "givenName": "FirstName"  },  "profile": {  "lastLogin": "2013-10-28T23:23:26",  "passwordValidity": 34,  "isAdmin": true, // indicates client administrator user  "oobauth": {  "enabled": false // indicates if the user has opted for out-of-band authentication  },  "tc": {  "status": true, // indicates if the user has accepted t&c, if not the client should call terms.svc  "href": "someURI"  }  },  "entitlements": { // various user level entitlements  "bookTransfer": {  "process": {  "default": "\/api\/transfers\/process.svc"  },  "processSAM": {  "default": "\/api\/transfers\/samdrawdown.svc"  },  "reviewSAM": {  "default": "\/api\/transfers\/samdrawdownreview.svc"  },  "review": {  "default": "\/api\/transfers\/review.svc"  }  },  "wires": {  "process": {  "default": "\/api\/wires\/process.svc"  },  "approve": {  "default": "\/api\/wires\/approve.svc"  },  "templates": {  "default": "\/api\/wires\/templates-list.svc"  },  "fxcontracts": {  "default": "\/api\/wires\/forex-pending.svc"  },  "review": {  "default": "\/api\/wires\/review.svc"  },  "inquiry": {  "default": "\/api\/wires\/inquiry.svc"  }  },  "common": {  "signoff": {  "default": "\/api\/logon\/signoff.svc"  },  "logerror": {  "default": "\/api\/services\/logerror.svc"  }  },  "acctInquiry": {  "summary": {  "default": "\/api\/accounts\/summary.svc"  },  "transactions": {  "default": "\/api\/accounts\/transactions.svc"  },  "transactionDetails": {  "default": "\/api\/accounts\/transaction-details.svc"  }  },  "main": {  "authenticate": {  "default": "\/api\/logon\/authenticate.svc"  },  "dismissBulletins": {  "default": "\/api\/services\/dismiss-bulletins.svc"  },  "notifications": {  "default": "\/api\/services\/notifications.svc"  },  "terms": {  "default": "\/api\/services\/terms.svc"  },  "accountServices": {  "default": "\/api\/services\/accounts-services.svc"  }  }  },  "partnerServices": [  {  "ACH": {  "partnerUserId": "efurlong",  "partnerClientId": "exao5440"  }  }  ],  "contacts": {  "email": "tob2@svbank.com",  "tel": "1-888-SVB"  }  },  "meta": {  "accessToken": "3029ec34842869dde82de808c4e1a061",  "accessTokenSequence": 1383028280865  }  }  Details of values:-  partnerServices : econnect.sso\_partner\_config.name [IPAY|CW|MELLON|ACH|S1-UK|SBB|RDM-REMOTE DEPOSIT CAPTURE|RDM-REMOTE LOCK BOX|RDM-REMOTE MOBILE DEPOSIT|WP|SWEEP PORTAL ] |

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| --- |
| Terms & Conditions: /api/services/terms.svc |

Called when user accepts or declines terms & conditions.

PARAMETERS

None

EXAMPLE

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| [https://m.svbeconnect.com/api/services/terms.svc](https://m.svbeconnect.com/api/terms/process.svc) |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/services/terms.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "cecf4735cb73058e89d93ee6808046c7"  },  "data": {  "disclosureAccepted": true  }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "accessToken": "cecf4735cb73058e89d93ee6808046c7",  "accessTokenSequence": 1347345269612  },  "data": {  }  } |

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| --- |
| Error Logging: /api/services/logerror.svc |

Send and log error or exception conditions to the server.

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/services/logerror.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/services/logerror.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "42f32011116905d8a8718784eaab3eb0"  },  "data": {  “msg”: “javascript error”  }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "accessToken": "cecf4735cb73058e89d93ee6808046c7",  "accessTokenSequence": 1347345269612  },  "data": {  }  } |

|  |
| --- |
| Logout: /api/logon/signoff.svc |

Explicit user signoff or terms and conditions decline

PARAMETERS

None

EXAMPLE

|  |
| --- |
| <https://m.svbeconnect.com/api/logon/signoff.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/logon/signoff.svc HTTP/1.1  Origin: <http://obwl2sascl>  X-Requested-With: XMLHttpRequest  User-Agent: Mozilla/5.0 (Windows NT 6.1) AppleWebKit/534.57.2 (KHTML, like Gecko) Version/5.1.7 Safari/534.57.2  Content-Type: application/json  Accept: application/json, text/javascript, \*/\*; q=0.01  Referer: http://obwl2sascl/mobile/index.html  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "aa64fa7bec59fdb53d6dd1eb21d7774f"  },  "data": {  }  } | HTTP/1.1 200 OK  Date: Tue, 11 Sep 2012 19:38:23 GMT  X-Powered-By: ASP.NET, Servlet/2.5 JSP/2.1  Content-Length: 0  Server: Microsoft-IIS/6.0  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1347392302765  {  "meta": {  "accessToken": "cecf4735cb73058e89d93ee6808046c7",  "accessTokenSequence": 1347345269612  },  "data": {  }  } |
| Accounts Services: /api/services/accounts-services.svc | |

Explicitly retrieve applicable services at account level for the logged in user. Mobile client is expected to make this API call (1) if user doesn’t have Account detail permissions (2) Anytime before Transfer/Wire is initiated as client deems necessary. This is also the API to call for rendering the account details page after user signs in.

PARAMETERS

None

EXAMPLE

|  |
| --- |
| <https://m.svbeconnect.com/api/services/accounts-services.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/services/accounts-services.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "9385baba64f52cb6ea1b925530fd216"  },  "data": {  "includeBalances": true,  "includeRecentTransactions": true  }  }  Mandatory  One or more of {includeBalances,includeRecentTransactions,includeWireTemplates}  Notes   * Use account.type.group for grouping accounts * Descriptive text for display on group header is provided to Bob by Sumita | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "data": {  "accounts": [  {  "transactions": [ //each object similar to the output of transactions API  {  "id": 1,  "amount": 6000, // Transaction amount - Numeric  "crdbCode": "C|D", // C-Credit, D-Debit  "status": "Booked", // Settled transaction (no other values at the moment)  "bookDate": "2013-11-14T00:00:00", // transactionInitiationDate  "valueDate": "", // transaction effective Date  "tranType": {  "code": "82", //Core banking tranCode which identifies type of transaction  "subCode": "CHK", //  "description": "CHECK PAID"  },  "details": { // Bank reference details for the transaction  "references": {  "bankReference": "6220310",  "customerReference": "1047",  "checkNum": "1047"  },  "additionalInfo": "CHECK PAID ",  "parties": {  "beneficiary": {  "name": ""  }  },  "shortDesc": "1047"  }  }  ],  "balance": { // account Balance block  "type": "OPAV", // type of balance – Opening Available Balance, Current Available Balance etc. Currently only OPAV though the value returned is Current Available Balance  "amount": 168773.22, // Balance Amount - Numeric  "balanceDate": "2013-11-18T00:00:00" // Balance as-of-date  },  "accountOwner": {  "financialInstitution": {  "branch": {  "id": "US|UK" //US or UK account  }  },  "name": "Mogreet, Inc." // client name associated with the account  },  "account": {  "id": 8571856, //internal svb identifier  "accNumber": "3300939677", //customer account number  "title": "GENERAL ", // account title – could be client set up or default  "currency": "USD", // account currency  "type": {  "group": "DDA|MCA|IBOS|DEX|SAM|LOAN|SWEEP", // type of account  "code": "11", //product type of the acccount  "description": "Account Product Description" // Product description  }  },  "period": { // Period for which transactions are returned. Defaulted to last 7 days  "fromDate": "11\/11\/2013",  "toDate": "11\/18\/2013"  },  "entitlements": { // Entitlements the logged in user has on this account  "bookTransfer": { // Internal transfer related entitlements  "internalTransferTo": {}, // user can transfer money to this account  "internalTransferFrom": {}, // user can transfer money from this account  "samTransferFrom":{}, // User can do SAM transfer from  "samTransferTo":{} // User can do SAM transfer To this account  },  "wires": {// Wire related entitlements  "approve": {}, //User can approve wire  "initiateTemplate": {}, //user can initiate wire template  "inquiry": {}, // user can request for outgoing wires from this account  "initiateFreeForm": {}, // user can initiate free form wires from this account  "approveTemplateWires1 ": {}, // user can be a first level approver for a wire created from this account "approveTemplateWires2": {} // user can be a second level approver for a wire created from this account  },  "acctInquiry": {  "inquiry": {} // user has the permission to view balances. Show balance information to the user only if the user has this entitlement  }  }  }  ],  "additionalData": { //additional information- currently has only cut-off dates for various payment alternatives  "wires": {  "FX": {  "validExecutionDate": "2013-11-19T14:00:00"  },  "DOM": {  "validExecutionDate": "2013-11-19T23:59:00"  },  "INTL": {  "validExecutionDate": "2013-11-19T23:59:00"  },  "SAM": {  "validExecutionDate": "2013-11-19T11:30:00"  }  },  "booktransfer": {  "DDA": {  "validExecutionDate": "2013-11-19T23:59:00"  },  "LOAN": {  "validExecutionDate": "2013-11-19T23:59:00"  },  "SAM": {  "validExecutionDate": "2013-11-19T23:59:00"  }  }  }  },  "meta": {  "accessToken": "c2db6523d28f9ec08d21b8af82b7e39e",  "accessTokenSequence": 1384853711303  }  } |

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| --- |
| Transactions: /api/accounts/transactions.svc |

Search transactions.

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/accounts/transactions.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/ accounts/transactions.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "6c53b083a46a99e083fbb24c3abbfed4"  },  "data": {  "txGroup": "ALL|WRA|ACH|DEB|CRE|CHK|BACS|CHAPS|FPAY|SEPA|SWFT",  "periodCode": "all|thismonth|lastweek|thismonth",  "nextSet": true, // send Only when “Load More…” is tapped  "accounts": [  {  "accountIdentifier": "210",  "accountNumber": "351049270"  }  ]  }  }  Manadatory Fields by Flow     1. Initial Request   {txGroup,accounts,periodCode}   1. Pagination Request (Load more transaction)   {txGroup,accounts,periodCode,nextSet}  Notes:   * The “all” periodCode will return transactions for last 90 days * The data set will be paginated with upto 30 items | HTTP/1.1 200 OK  Date: Mon, 10 Sep 2012 21:49:56 GMT  Content-Encoding: gzip  X-Powered-By: Servlet/2.5 JSP/2.1  Content-Length: 1672  Pragma: No-cache  Content-Type: application/json;charset=ISO-8859-1  Cache-Control: no-cache  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1347313796356  Expires: 0  {  "data": {  "account": {  "id": 91134,  "accNumber": "3300611706",  "title": "Analysis Checking",  "currency": "USD",  "amount": 699665.13  },  "transactions": [  {  "id": 1,  "amount": 70.11,  "crdbCode": "C|D",  "status": "Booked",  "bookDate": "2013-11-14T00:00:00",  "valueDate": "",  "tranType": {  "code": "82",  "subCode": "ACH|DEP|CHK| BACS|CHAPS|FPAY|SEPA|SWFT",  "description": "CHECK PAID"  },  "details": {  "references": {  "bankReference": "7243642",  "customerReference": "3798",  "checkNum": "3798"  },  "additionalInfo": "CHECK PAID ",  "parties": {  "beneficiary": {  "name": ""  }  },  "shortDesc": "3798"  }  }  ]  },  "meta": {  "accessToken": "2a7aeb351f34e3df96ded96303ba8eac",  "accessTokenSequence": 1384780501595  }  } |

|  |
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| Transcation Details: /api/accounts/transaction-details.svc |

Retrieve additional details on specific transactions. Phase I supports Check Image retrival. The data contract could be potentially used for Advanced Search as well in future phases.

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/accounts/transaction-details.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/accounts/transaction-details.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "6c53b083a46a99e083fbb24c3abbfed4"  },  "data": {  "txGroup": "CHK|DEP", // transaction type  "accounts": [ // account - from accounts-services.svc response  {  "accountIdentifier": "39349" ,  "accountNumber”: “30003929129”  }  ],  "filter":{  "amount":393.34, // check amt – from transactions.svc response  "tranDate":"1990-02-20T00:00:00", // transaction date- – from transactions.svc response  "bankReference":"",  "customerReference":""  }  }  }  **All the fields are mandatory to retrieve check & deposit images.**  **NOTES:**   * Check number is represented in customerReference field * customerReference and bankReference is returned in the transaction details in the /accounts-services.svc endpoint | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "data": {  "checkImage": {  "type": "gif",  "images": [  [  {  "view": "F", //front-side of the check/deposit slip  "stream": "" /\*Base-64 encoded\*/  },  {  "view": "B", //back-side of the check/deposit/slip  "stream": "" /\*Base-64 encoded\*/  }  ]  ]  }  },  "meta": {  "accessToken": "ab8d9c2cbbbae11d29fb9752ebbe9ee8",  "accessTokenSequence": 1384775737858  }  } |

|  |
| --- |
| Books and SAM Transfers: Review & Process |

/api/transfers/review.svc

/api/transfers/process.svc, and

/api/transfers/samdrawdown-review.svc

/api/transfers/samdrawdown.svc

For Book transfer or SAM transfer. The latter API must be used if From account is SAM Account

Review.svc services will be used to review/validate transactions at server before confirming the transaction by the user. Review does not return any ID. Process returns an ID, which is the confirmation Id.

PARAMETERS

None

EXAMPLE

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| --- |
| <https://m.svbeconnect.com/api/transfers/process.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/transfers/process.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "268WE2NM8HDN2TDKGCF5",  "appVer": "1.0",  "serverVer": "1.0",  "connectionType": "3G",  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  "requestedExecutionDate":"",  "debitAccount":{  "accountIdentifier":393992,  "accountNumber":"330003929291"  },  "creditAccount":{  "accountIdentifier":393945,  "accountNumber":"33000392932"  },  "instructedAmount":0.00,  "additionalPaydownAmount":0.00, /\* Optional and will be used only for Loan Repayment \*/  "instruction":""  },    }  Mandatory Fields by Flow   1. Internal Transfer (DDA-DDA)   {requestedExecutionDate,debitAccount,creditAccount,instructedAmount}   1. SAM Drawdown (SAM-DDA)   {requestedExecutionDate,debitAccount,creditAccount,instructedAmount}   1. Loan Paydown (DDA-LOAN) – OUT OF SCOPE FOR PHASE 1 2. Loan Advance (LOAN-DDA)   {requestedExecutionDate,debitAccount,creditAccount,instructedAmount} | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f",  “accessTokenSequence”:39394949921  },  “messages”: [  {  "message": "",  "code": "0"  }  ],  "data": {  "requestedExecutionDate":"",  "debitAccount":{  "accountIdentifier":393992,  "accountNumber":"330003929291"  },  "creditAccount":{  "accountIdentifier":393945,  "accountNumber":"33000392932"  },  "instructedAmount":0.00,  “currencyCode”:”USD” /\* Phase 1 will be hard coded\*/  "additionalPaydownAmount":0.00, /\* Optional and will be used only for Loan Repayment \*/  "instruction":"",  “executionDate”:””,  “transactionStatus”:””,  “id”: /\* Confirmation id, only for process\*/  }  }  NOTES:   * Review and process endpoints will return identical response, except additional field confirmation ID in process response. * Process will return confirmation ID but review endpoint will not * Confirmation # on the user interface must be mapped to data.id in process endpoint response |

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| Wires: Review & Process |

/api/wires/review.svc

/api/wires/process.svc

The /api/wires/review.svc endpoint will be used to perform server side review/validation before user confirms the transaction. The /api/wires/process.svc endpoint will be used for confirmation of wire initiation.

“wireTransactionId” MUST be always passed in “process.svc” call

The response from both the API will be similar.

PARAMETERS

None

EXAMPLE

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| --- |
| <https://m.svbeconnect.com/api/wires/process.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/wires/process.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "268WE2NM8HDN2TDKGCF5",  "appVer": "1.0",  "serverVer": "1.0",  "connectionType": "3G",  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  “wireTransactionId”:, /\*Only for Process\*/  "requestedExecutionDate":"",  "requestedExecutionDate":"",  "templateId":"3893929",  "templateCode":"", /\* Sent purely for Monitoring \*/  "templateName":"", /\* Sent purely for Monitoring \*/  "paymentAmount":3939.03,  "contractId":"3929393",  "type": {  "service":"DOM|FX|MCA"  },  "debtorAccount":{ /\* Sent purely for Monitoring purpose. \*/  "id":,  "accNumber":"",  },  "chargeBearer":"DEBT|SHAR",  /\* SVBeCOnnect uses OURS, SHA. Will be finalized later ???\*/  "creditTransferDetails":{  "instructionForCreditorAgent":{ /\* Instruction to Bene Bank. Need to analyze how SVBeConnect currently captures Creditor Bank Instruction & Intermediary Agent \*/  },  "instructionForDebtorAgent":{}, /\* Needs analysis on Bank-to-Bank Instruction. 6 lines in SVBeConnect. Combines credit/debit bank instructions \*/  "remittanceInfo":{ /\* Beneficiary Instruction. This doesn't follow ISO. Customized \*/  "instructionLine1":"",  "instructionLine2":"",  "instructionLine3":"",  "instructionLine4":"",  }  "intermediaryAgent1":{  "name"  "addressLine1":"",  "addressLine2":"",  "addressLine3":"",  }  } }  }  NOTES:   * data.contractId is required for wire initiation and only for FX contract wire.   Mandatory Fields   1. Non FX Wire   {templateId,templateCode,templateName, paymentAmount,type.service, debtorAccount}   1. FX Wire   {templateId,templateCode,templateName, paymentAmount, contractId, type.service, debtorAccount} | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: <n>  {  "meta": {  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f",  “accessTokenSequence”:39394949921  },  “messages”: [  {  "message": "",  "code": "0"  }  ],  "data": {  // See Notification Service response. The return type will be consistent throughout the application**.**  "paymentDetail":  {  "id":"3893929",  …..  …….  **}**  }  }  NOTES:   * wireTransactionId will be returned by the /review and /process endpoint in the response * wireTransactionId maps to data.wires.payments[i].id (see notification endpoint response) |

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| Notifications: /api/services/notifications.svc |

API to retrieve available notifications. Wire details included additional data around wire (requires 1 or 2 approvals and other details.

PARAMETERS

None

EXAMPLE

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| --- |
| <https://m.svbeconnect.com/api/services/notifications.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/services/notifications.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "857",  "appVersion": "1.0",  "serverVersion": "1.0",  "platform": "iOS",  "deviceToken": "1234",  "accessToken": "6c53b083a46a99e083fbb24c3abbfed4"  },  "data": {  "notificationType": [  "wires",  "bulletins"  ]  }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "accessToken": "6c53b083a46a99e083fbb24c3abbfed4",  "accessTokenSequence": 1347313267986  },  "data": {  "bulletins": {  "items": [  {  "id": 8125,  "title": "bulletin rgr",  "message": "bulletin content"  }  ],  "counts": 1  },  "wires": {  "payments": [  {  "id": "201209103519087",  "type": {  "priority": "NORM|NON-URGENT",  "routingCode": "",  "service": "DOM",  "transactionType": "Template based|None"  },  "requestedExecutionDate": "2012-09-10T00:00:00",  "debtorAccount": {  "id": 210,  "accNumber": "351049270"  },  "chargeBearer": "",  "creditTransferDetails": {  "amount": {  "instructedAmount": 3,  "currency": "EUR",  "instructedAmountInDebitCurrency":240, /\*\* use this flag only FX wires \*\*/              "debitCurrency": "USD",  "isInstructedAmountInDebitCurrency": true|false /\*\* use this flag only FCA (paymentType=INTL)wires \*\*/  },  "contractInfo": {  "id": "980887",  "exchangeRate": 1.6  },  "templateInfo": {  "templateCd": "tempCd",  "templateName": "name"  },  "creditorAgent": {/\* Beneficiary Bank \*/  "bic": "RABONL2U",  "name": "RABOBANK",  "addressLine": "",  "city": "ROTTERDAM",  "state": "",  "country": "Netherlands",  "postalCode": ""  },  "creditor": { /\* Beneficiary. ISO Structure is more eleborate. \*/  "name": "ALFEN BV",  "addressLine1": "POSTBUS 1042",  "addressLine2": "1300 BA ALMERE",  "addressLine3": "NETHERLANDS"  },  "creditorAccount": { /\* Beneficiary Account \*/  "accNumber": "NL85 RABO 0302 5727 59",  "currency": "USD"  },  "instructionForCreditorAgent": "",/\* Instruction to Beneficiary Bank\*/  "instructionForDebtorAgent": {/\* Bank-to-Bank Instruction, 6 lines \*/  "instructionLine1": "",  "instructionLine2": "",  "instructionLine3": "",  "instructionLine4": "",  "instructionLine5": "",  "instructionLine6": ""  },  "remittanceInfo": { /\* Beneficiary Instruction \*/  "instructionLine1": "",  "instructionLine2": "",  "instructionLine3": "",  "instructionLine4": ""  },  "intermediaryAgent1": {  "name": "",  "addressLine1": "",  "addressLine2": "",  "addressLine3": ""  }  },  "additionalDetails": {  "status": "Needs 1 Approval",  "enteredBy": "Hyacinthe Naraguma",  "approver1": "",  "approver2": "",  "canEdit": ""  }  }  ],  "counts": 1  }  }  } |

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| Dismiss Bulletins: /api/services/dismiss-bulletins.svc |

Dismisses bulletins so that it will not show up in the list of bulletins for the user

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/services/dismiss-bulletins.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/services/dismiss-bulletins.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "data": {  "bulletins": [  {  "id": "",  "title": "",  "dismiss": true|false  }  ]  },  "meta": {  "appId": "",  "appVersion": "",  "serverVersion": "",  "platform": "",  "deviceToken": “”,  "accessToken": "",    }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "accessToken": "cecf4735cb73058e89d93ee6808046c7",  "accessTokenSequence": 1347345269612  },  "data": {  }  } |

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| Templates: /api/wires/templates-list.svc |

Returns list of wire templates based on input criteria. This service doesn’t categorize the templates into 3 buckets as done in online initiate wire workflow. Ideal grouping would be “types” and subgrouped by “account”.

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/wires/templates/list.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/wires/templates/list.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "268WE2NM8HDN2TDKGCF5",  "appVer": "1.0",  "serverVer": "1.0",  "connectionType": "3G",  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  "paymentType":"USD|FX|MCA|ALL",  "templateName":"", /\* Should this be nested structure? \*/  "templateCode":"",  "beneficiaryName":"",  "accounts": [  {  "accountIdentifier": 39349 ,  "accountNumber”: “30003929129”  }  ]  }  }  Madatory Field:  {paymentType}  Possible Request with field combinations:  {paymentType}  {paymentType, {templateName | templateCode | beneficiaryName | accounts}} | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  "counts":12,  "templates":[ /\* Array of Templates \*/  {  "id":"3893929",  "templateCode":"",  "templateName":"",  "type": {  "service":"DOM|FX|MCA"  },  "debtorAccount":{ /\* Must prune the content to keep it simple. Mobile should retain the account metadata data.\*/  /\* debtorAccount will not be populated for FX based templates \*/  "id":,  "accNumber":"",  },  "chargeBearer":" DEBT|SHAR", /\* SVBeCOnnect uses OURS, SHA. Will be finalized later ???\*/  "creditTransferDetails":{  "creditorAgent":{ /\* Beneficiary Bank \*/  "bic":"",  "name":"",  "addressLine":"",  "city":"",  "state":"",  "country":"",  "postalCode":""  },  "creditor":{  /\* Beneficiary. ISO Structure is more eleborate. Includes Beneficiary BIC which we don't support currently \*/  "name":"",  "addressLine1":"",  "addressLine2":"",  "addressLine3":"",  },  "creditorAccount":{ /\* Beneficiary Account \*/  "accNumber":"",  "currency":""  },  "instructionForCreditorAgent":{  /\* Instruction to Bene Bank. Need to analyze how SVBeConnect  currently captures Creditor Bank Instruction & Intermediary Agent \*/  },  "instructionForDebtorAgent":{}, /\* Needs analysis on Bank-to-Bank Instruction. 6 lines in SVBeConnect \*/  "remittanceInfo":{ /\* Beneficiary Instruction. This doesn't follow ISO. Customized \*/  "instructionLine1":"",  "instructionLine2":"",  "instructionLine3":"",  "instructionLine4":"",  }  "intermediaryAgent1":{  "name"  "addressLine1":"",  "addressLine2":"",  "addressLine3":"",  }  }  }  ]  }  }  NOTES:   * The SVB ID in the wire template details screen may be mapped to templates[i].creditTransferDetails.creditorAgent.bic |

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| FX Contracts: /api/wires/forex-pending.svc |

Returns list of unused Foreing Exchange contracts to be used in initiate wire. Request can be made in parallel with retrieve templates.

PARAMETERS

None

EXAMPLE

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| --- |
| <https://m.svbeconnect.com/api/wires/forex/pending.svc> |

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| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/wires/forex/pending.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "268WE2NM8HDN2TDKGCF5",  "appVer": "1.0",  "serverVer": "1.0",  "connectionType": "3G",  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "meta": {  "txToken": "",  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  "count":1,  "forexContracts":[  {  "id":"980887",  "leadAmount":20.00,  "originalLeadAmount":50.00,  "leadCurrency":"GBP",  "contractAmount":80.00,  "contractCurrency":"USD",  "isDrawdownAllowed":true  }  ]  }  } |

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| Approve Wires: /api/wires/approve.svc |

Submits wires for approval/decline. Approval service call may return message with additional data (like next valid date) or return messages due to limit failure or others (fx closed).

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/wires/approve.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/wires/approve.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "meta": {  "appId": "268WE2NM8HDN2TDKGCF5",  "appVer": "1.0",  "serverVer": "1.0",  "connectionType": "3G",  "accessToken": "28c7a73aefb77069a4d0c3e9114f083f"  },  "data": {  "wires":[  {  "id":,  "updatedState":"APPROVE|CANCELLED"  }  ]  }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Apr 2012 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "data": {  "wires": {  "success": [  {  "id": "201311044472068",  "additionalDetails": {  "status": "",  "statusCode": ,  "enteredBy": "",  "approver1": "",  "approver2": "",  "canEdit": true|false  }  }  ],  "failure": [  {  "id": "201311044472067",  "messages": [  {  "messages": "This wire is not available for approval via Mobile Banking. Please login to Online Banking to approve this wire",  "category": "Business Exception",  "code": "10128"  }  ]  }  ]  }  },  "meta": {  "accessToken": "e06970d6437bc4901a8f4dcd7ab1cafb",  "accessTokenSequence": 1385544111169  }  } |

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| Wire Inquiry-Outgoing: /api/wires/inquiry.svc |

View Outgoing Wire Inquiry, entry point : account transactions screen

PARAMETERS

None

EXAMPLE

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| <https://m.svbeconnect.com/api/wires/inquiry.svc> |

|  |  |
| --- | --- |
| **REQUEST** | **RESPONSE** |
| POST /api/wires/inquiry.svc HTTP/1.1  Host: m.svbeconnect.com  Accept-Encoding: gzip, deflate  Accept-Language: en-us  Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Proxy-Connection: keep-alive  User-Agent: Mozilla/5.0 (iPhone; CPU iPhone OS 5\_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like Gecko) Mobile/9B176  X-mobile-app-id: 268WE2NM8HDN2TDKGCF5  {  "data": {  "fromDate": "2013-11-18T00:00:00",  "toDate": "2013-11-25T00:00:00",  "fromAmount": 50,  "toAmount": 100,  "status": "All|Pending|Cancelled|Needs 1 Approval|Needs 2 Approvals|Ready|Sent",  "wireTransactionId": 123456,  "debitAccount": {  "accountIdentifier": 210,  "accountNumber": "351049270"  },  "wireType": "All|DOM|INTL|FX",  "paymentMethod": "All|Wires|NUIP",  "pageNumber": 1,  "sortBy": "Amount|TranID|Date|Status|ClientName|Account|BankName|WireType|TemplateCode|PaymentType",     "sortOrder":"ASC|DESC"  },  "meta": {  "appId": "",  "appVersion": "",  "serverVersion": "",  "platform": "",  "deviceToken": "",  "accessToken": ""  }  } | HTTP/1.1 200 OK  Content-Language: en  Content-Type: application/json  Date: Mon, 23 Nov 2013 18:25:24 GMT  Set-Cookie: PREVENT\_DUPLICATE\_SUBMIT\_TXN\_COOKIE\_TOKEN=1337878311007; OnlineSiliconDummy=RCtjP2nFrLKzPvSccn01GLwbdvyPbVshGchx71ybxQvH2vXT4s2m!-1605298235; Path=/  Connection: keep-alive  Content-Length: *<n>*  {  "data": {  "payments": [  {  "id": "201301173682449",  "type": {  "priority": "NORM|NON-URGENT",  "routingCode": "",  "service": "DOM",  "transactionType": "Template based|None"  },  "requestedExecutionDate": "2013-01-17T00:00:00",  "debtorAccount": {  "id": 1352,  "accNumber": "3300045742"  },  "chargeBearer": "",  "creditTransferDetails": {  "amount": {  "instructedAmount": 15.11,  "currency": "EUR",  "instructedAmountInDebitCurrency":240, /\*\* use this flag only FX wires \*\*/              "debitCurrency": "USD",  "isInstructedAmountInDebitCurrency": true|false /\*\* use this flag only FCA wires \*\*/  },  "contractInfo":{  "id":"980887",  "exchangeRate": 1.6,  },  "templateInfo": {  "templateCd": "tempCd",  "teplateName": "name"  },  "creditorAgent": {  "bic": "121140399",  "name": "SILICON VALLEY BANK",  "addressLine": "",  "city": "SANTA CLARA",  "state": "",  "country": "United States of America",  "postalCode": ""  },  "creditor": {  "name": "qwe",  "addressLine1": "1324",  "addressLine2": "",  "addressLine3": ""  },  "creditorAccount": {  "accNumber": "qwer",  "currency": "USD"  },  "instructionForCreditorAgent": "",  "instructionForDebtorAgent": {  "instructionLine1": "",  "instructionLine2": "",  "instructionLine3": "",  "instructionLine4": "",  "instructionLine5": "",  "instructionLine6": ""  },  "remittanceInfo": {  "instructionLine1": "",  "instructionLine2": "",  "instructionLine3": "",  "instructionLine4": ""  },  "intermediaryAgent1": {  "name": "",  "addressLine1": "",  "addressLine2": "",  "addressLine3": ""  }  },  "additionalDetails": {  "status": "Needs 1 Approval",  "statusCode": 3,  "enteredBy": "SecondADmin UATtest",  "approver1": "UATteam testingPrimary",  "approver2": "",  "canEdit": true  }  }  ],  "totalWires": "1"  }  } |
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| Urban Airship APIs |

Invoked from eConnect HostInt

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| **REQUEST** | **RESPONSE** |
| **1. Alias Registration – iOS**  Content-type: application/json  Charset: ISO-8859-1  URL:https://go.urbanairship.com/api/device\_tokens/<deviceToken>  HTTP Method: PUT  Request content:  {"alias":"1160353"} | Response Code: 200  Any code other than 200, we consider as “message sending failed” |
| **2. Alias Registration – Android**  Content-type: application/json  Charset: ISO-8859-1  HTTP Method: PUT  URL: https://go.urbanairship.com/api/apids/<deviceToken>  Request content:  {"alias":"1160353"} | Response Code: 200  Any code other than 200, we consider as “message sending failed” |
| **3. Batch Push – iOS**  Content-type: application/json  Charset: ISO-8859-1  HTTP Method: POST  URL: https://go.urbanairship.com/api/push/batch/  Request content:  {  "aps": {  "alert": "You have wires for approval"  },  "aliases": [  "<aliases>"  ]  } | Response Code: 200  Any code other than 200, we consider as “message sending failed” |
| **3. Batch Push – Android**  Content-type: application/json  Charset: ISO-8859-1  HTTP Method: POST  URL: https://go.urbanairship.com/api/push/batch/  Request content:  {  "android": {  "alert": "You have wires for approval"  },  " aliases": [  "<aliases>"  ]  } | Response Code: 200  Any code other than 200, we consider “message sending failed” |

Dev/QA App:

Appkey: xG3wdEDlRJWB2rLuSJVuwA

App-secret : fl\_SGnaIT2KFTqEhLUHuHw

Master Secret: mRtnilDpQna81AvHiYkahw

Syntax for sending message to UA using curl:

curl -v -X POST -u "xG3wdEDlRJWB2rLuSJVuwA:mRtnilDpQna81AvHiYkahw" -H "Content-type: application/json" -H "Accept: application/vnd.urbanairship+json; version=3;" --data '{"audience" : {"OR": [{"apid":"37547826-c3ff-43f9-a16a-c9d37065318c"}]}, "notification" : {"alert" : "Hello Android APIDs!"}, "device\_types" : ["android"]}' https://go.urbanairship.com/api/push/