



**Web Services: AffiliateService API Technical
Specification**
Version 1

Introduction.....	3
Intended Audience	3
The AffiliateService	3
Updates and versioning	3
Other services	3
API Overview	3
WSDL.....	3
User authentication.....	3
Quota	3
SOAP Request Format	4
Header	4
Body.....	4
SOAP Response Format.....	5
API Methods	6
Headers.....	6
UserAuthentication	6
getQuota.....	6
Requests.....	6
getMerchant.....	6
getMerchantList	7
getTransaction.....	7
getTransactionList.....	7
Data Types:	8
UserType	8
Merchant	8
Relationship	9
Transaction	9
TransactionStatus	9
TransactionPart	10
CommissionType.....	10
DateType	10

Introduction

Intended Audience

This document is intended for developers who want to programmatically access Affiliate Window affiliate accounts. It assumes the reader is familiar with web services and with the programming language they will be using. It also assumes they are familiar with the affiliate aspect of the Affiliate Window system.

The AffiliateService

The AffiliateService provides the necessary functionality to retrieve all the information about an Affiliate's transactions and Affiliate Window merchants. The API is built on the core open source standards of SOAP and WSDL.

To use the API to programmatically access an affiliate account you will need to build a web service client in your chosen language.

Updates and versioning

The current version of the AffiliateService is version 1.

As the service is updated, new versions will be deployed and old versions will stop being supported. They will however be left on our servers for a limited time to allow developers a smooth transition from one version to another.

Other services

ProductServeService – provides access to Affiliate Window product data to allow development of products such as the ShopWindow Toolkit.

API Overview

WSDL

The current version of the AffiliateService WSDL can be found at <http://api.affiliatewindow.com/v1/AffiliateService?wsdl>

User authentication

User authentication is performed by SOAP-Headers, which must be passed with every single request.

Quota

Every user has an allocated operations quota. The remaining quota is returned as a SOAP-Header, in the response of every request.

The quota is specific to this service and has no relation to any quota you may have for any other AffiliateWindow service.

SOAP Request Format

SOAP requests are "envelopes" of specially formatted XML data posted to a URL. You can find out more about SOAP at www.w3.org/TR/soap/.

Each request must contain the following 2 parts.

Header

UserAuthentication The header must contain element required to authenticate the user.

getQuota The header can optionally contain a call to the method
getQuota

Body

getMerchant Gets the requested merchants.

getMerchantList Gets the merchants that fall under the specified criteria

getTransaction Gets the requested transactions

getTransactionList Gets the transactions that fall under the specified criteria

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
  xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:ns1="http://api.affiliatewindow.com/">

  <SOAP-ENV:Header>
    <ns1:UserAuthentication
      SOAP-ENV:mustUnderstand="1"
      SOAP-ENV:actor="http://api.affiliatewindow.com">
      <ns1:iId>*****</ns1:iId>
      <ns1:sPassword>*****</ns1:sPassword>
      <ns1:sType>affiliate</ ns1:sType>
    </ns1:UserAuthentication>

    <ns1:getQuota SOAP-ENV:mustUnderstand="1" SOAP-
  ENV:actor="http://api.affiliatewindow.com">true</ns1:getQuota>
  </SOAP-ENV:Header>

  <SOAP-ENV:Body>
    <ns1:getTransactionList>
      <ns1:dStartDate>2006-08-04T00:00:00</ns1:dStartDate>
      <ns1:dEndDate>2006-08-14T23:59:59</ns1:dEndDate>
      <ns1:sDateType>transaction</ns1:sDateType>
    </ns1:getTransactionList>
  </SOAP-ENV:Body>

</SOAP-ENV:Envelope>
```

Sample SOAP request

SOAP Response Format

In response to each request the AffiliateService API will send back a SOAP response.

If getQuota was called in the request header, the remaining quota will be returned in the header of the request.

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope
  xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ns1="http://api.affiliatewindow.com/">

  <SOAP-ENV:Header>
    <ns1:getQuotaResponse>14951</ns1:getQuotaResponse>
  </SOAP-ENV:Header>

  <SOAP-ENV:Body>
    <ns1:getTransactionListResponse>
      <ns1:getTransactionListReturn>
        <ns1:Transaction>
          <ns1:iId>7302200</ns1:iId>
          <ns1:sStatus>declined</ns1:sStatus>
          <ns1:sDeclinedReason>Duplicate</ns1:sDeclinedReason>
          <ns1:iMerchantId>1286</ns1:iMerchantId>
          <ns1:fSaleAmount>22.6</ns1:fSaleAmount>
          <ns1:fCommissionAmount>4.52</ns1:fCommissionAmount>
          <ns1:dClickDate>2006-08-06 16:36:21</ns1:dClickDate>
          <ns1:dTransactionDate>2006-08-07 22:31:48</ns1:dTransactionDate>
          <ns1:dValidationDate>2006-08-08 17:21:13</ns1:dValidationDate>
          <ns1:aTransactionParts>
            <ns1:TransactionPart>
              <ns1:sCommissionGroupName>Default Commission</ns1:sCommissionGroupName>
              <ns1:fSaleAmount>22.6</ns1:fSaleAmount>
              <ns1:fCommissionAmount>4.52</ns1:fCommissionAmount>
              <ns1:iCommission>10</ns1:iCommission>
              <ns1:sCommissionType>percentage</ns1:sCommissionType>
            </ns1:TransactionPart>
          </ns1:aTransactionParts>
        </ns1:Transaction>
      </ns1:getTransactionListReturn>
    </ns1:getTransactionListResponse>
  </SOAP-ENV:Body>

</SOAP-ENV:Envelope>
```

Sample SOAP response

API Methods

Headers

UserAuthentication

(SOAP-Header) The authentication element, has to be sent with every single request

Parameters

iId	int	The user id
sPassword	string	The user password
sType	UserType	The user type

Response

none

getQuota

(SOAP-Header) Gets the remaining quota back in the response headers, with every single request

Parameters

	bool	Indicate if the quota should be returned or not
--	------	---

Response

	int	The number of remaining operations
--	-----	------------------------------------

Requests

getMerchant

Gets the requested merchants

Parameters

aMerchantIds	int[]	The ids of the merchants to get
---------------------	-------	---------------------------------

Response

getMerchantReturn	Merchant[]	Array of Merchant objects
--------------------------	------------	---------------------------

getMerchantList

Gets the merchants that fall under the specified criteria

Parameters

sRelationship	Relationship	The affiliate's relationship to the merchant
----------------------	--------------	--

Response

getMerchantReturn	Merchant[]	Array of Merchant objects
--------------------------	------------	---------------------------

getTransaction

Gets the requested transactions

Parameters

aTransactionIds	int[]	The ids of the transactions to get
------------------------	-------	------------------------------------

Response

getTransactionReturn	Transaction[]	Array of Transaction objects
-----------------------------	---------------	------------------------------

getTransactionList

Gets the transactions that fall under the specified criteria

Parameters

aMerchantIds	int[]	The merchant ids to limit the results to
dStartDate	dateTime	First date of the list, inclusive
dEndDate	dateTime	Last date of the list, inclusive
sDateType	DateType	Which date the date limits will apply to
sTransactionStatus	TransactionStatus	The transaction status

Response

getTransactionReturn	Transaction[]	Array of Transaction objects
-----------------------------	---------------	------------------------------

Data Types:

UserType

The type of the user

Values

string	affiliate merchant
--------	-------------------------------------

Merchant

The Merchant object

Values

sId	int	The id
sName	string	The name
sLogoUrl	string	The logo image
sDisplayUrl	string	The link's display text
sClickThroughUrl	string	The actual link
iDetailsVersion	int	The version of the metadata
dDetailsModified	dateTime	Last metadata modification date
iFeedVersion	int	The version of the datafeed
dFeedModified	dateTime	Last datafeed modification date
sStrapline	string	The strapline
sDescription	string	The full description
fApprovalPercentage	float	The approval percentage of sales
fEpc	float	The earnings per click
fConversionRate	float	The rate of clicks to sale conversion
iValidationDays	float	The average sales validation time
fAwinGrade	float	The Awin Index grade
aCommissionRanges	CommissionRange[]	The commission range

Relationship

The type of relationship between an affiliate and a merchant

Values

string	joined
--------	---------------

Transaction

The Transaction object

Values

sId	int	The id
sStatus	TransactionStatus	The status
sDeclinedReason	string	The reason why the transaction has been declined
iMerchantId	int	The merchant's id
fSaleAmount	float	The basket value
fCommissionAmount	float	The commission due
dClickDate	dateTime	The date of the click, which resulted in the transaction
dTransactionDate	dateTime	The date of the transaction
dValidationDate	dateTime	The date of validation
sClickref	string	A custom ref
sSearchSiteName	string	The search site's name
sSearchSiteKeyword	string	The phrase the user searched for, coming from a search site
aTransactionParts	TransactionPart[]	The transaction parts

TransactionStatus

The status of the transaction

Values

string	pending – Not yet validated confirmed – Validated and confirmed declined – Validated and declined
--------	--

TransactionPart

The parts of a transaction

Values

sCommissionGroupName	string	The name of the CG
fSaleAmount	float	The part's basket value
fCommissionAmount	float	The part's commission due
iCommission	int	The commission factor
sCommissionType	CommissionType	The type of the commission

CommissionType

The type of the commission

Values

string	percentage – The commission factor will be used as a percentage amount – The commission factor will be used as a set amount
--------	--

DateType

The type of date to apply the limits to

Values

string	transaction – The transaction date validation – The validation date
--------	--

CommissionRange

The range of commission potential across all CGs, for that merchant and affiliate

Values

sCommissionType	CommissionType	The type of the commission
fMin	float	The minimum commission available to that affiliate
fMax	float	The maximum commission available to that affiliate