ZOMBAIO®

Zombaio API

Issued by: A. Williams / P. Jonson
Date: 02/10/2010

Version: 2.11

REVISION

Document revision history

Version	Page affected	Date	Description
1.0	All	08/11/2007	Document created
1.1	6	08/26/2007	Flowchart added
1.2	5	09/02/2007	Glossary added
1.3	6	09/12/2007	Redesign of flowchart
1.4	9	09/26/2007	Error messages added
1.5	4,5,13	10/18/2007	Credits function added
1.6	14,16	11/28/2007	Chargeback report and Appendix A (Chargeback Reason Codes) added
1.7	11,13,15,18	11/29/2007	Declined callback, additional data to user.addcredits and Appendix B added
2.0	All	12/03/2007	Changes name from Zombaio Password Management to Zombaio API. Adding extra join form API, cancel API and report API.
2.1	4,11,12,18	01/13/2008	Adding IP range, adding hide_credits to credits form, User info added (decline callbacks)
2.2	22	08/29/2008	Instant upgrade (Upsell) added
2.3	11	08/10/2008	Return_url, CrossSale Post
2.4	27	20/11/2008	Special condition in TID changed (Payment Method)
2.5	29	06/12/2008	Added column CrossSale_Offer_extra in TID
2.6	18	23/01/2009	Rebill callback added
2.7	14	07/04/2009	Added HTTP GET proxy information
2.8	11,13,16	25/04/2009	return_url_error added, postback retry
2.8	20	25/04/2009	Important information for VOD, Webcam sites
2.9	14,20,26,33	10/07/2009	Dynamic billing amount, added subscription id in postback, support for refunds via API ,added values in canceled type
2.10	18,21,22	12/14/2009	Added fields to the postback
2.11	14,15	02/10/2010	Added input field AffiliateID

ZOMBAIO®

TABLE OF CONTENT

GENERAL

This document explains all calls between Zombaio's platform and a client's web site. The document goes through the different scenarios that can occur when a cardholder makes a payment.

The Zombaio API uses HTTP GET methods to communicate with the membersite. The member will never see these HTTP GET calls. They are made by another server session on Zombaio's backend to the membersites backend while the cardholder/member waits for an approval.

Calls from Zombaio is made from the following IP range:

82.99.3.1 – 82.99.3.6
82.99.3.11 – 82.99.3.18
82.99.3.20 – 82.99.3.30
213.132.102.1 – 213.132.102.31

Dynamic realtime list of host IP addresses:
http://www.zombaio.com/ip_list.txt

GLOSSARY

This document uses a number of industry-specific terms and for this reason we are providing an explanation of these below.

Word	Description
Quesry string / QS	The data parameters that accompany an "HTTP GET" inquiry. An example of a quesry string is (qs1 & qs2): *http://www.domain.com/test.php?**qs1**=hello&**qs2**=bye*
ZScript	Zombaio's password management script (ZombaioGW_1_1.php)
Membersite	The URL/site for which a cardholder has purchased a membership.
Cardholder	Member
Join Form	The form the user comes to enter his/her card number.
Cancel Form	The form the user comes to if he/she logs on to customer portal **http://support.zombaio.com** and chooses to cancel membership
ZOA	Zombaio Online Administrator. The back office tool you use to manage membership, web sites and other account data at Zombaio. ZOA logs you on here: **https://secure.zombaio.com/zoa/**
.htaccess	**.htaccess** files (or "distributed configuration files") provide a way to make configuration changes on a per-directory basis. A file, containing one or more configuration directives, is placed in a particular document directory, and the directives apply to that directory, and all subdirectories thereof.
.htpasswd	**.htpasswd** is a file with stored user names and password for basic authentication of HTTP users. The file stores encrypts passwords using either a version of MD5 modified for Apache, or the system's *crypt*() routine. The may contain both types of passwords; some user records may have MD5-encrypted passwords while others in the same file may have passwords encrypted with *crypt*().
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)

ZOMBAIO®

APPROVED MEMBERSHIP TRANSACTION FLOW

Each time a new member makes an approved payment, a call is made from Zombaio's platform to the member site to add a user name and password. Normally, the call from Zombaio comes direct in conjunction with purchase of the card, but in some cases can be delayed up to 5 minutes from the completed purchase. A call is also made if the transaction is declined or when membership expires to delete the use's information from the member site.

The flow for Zombaio Password Management is shown below:
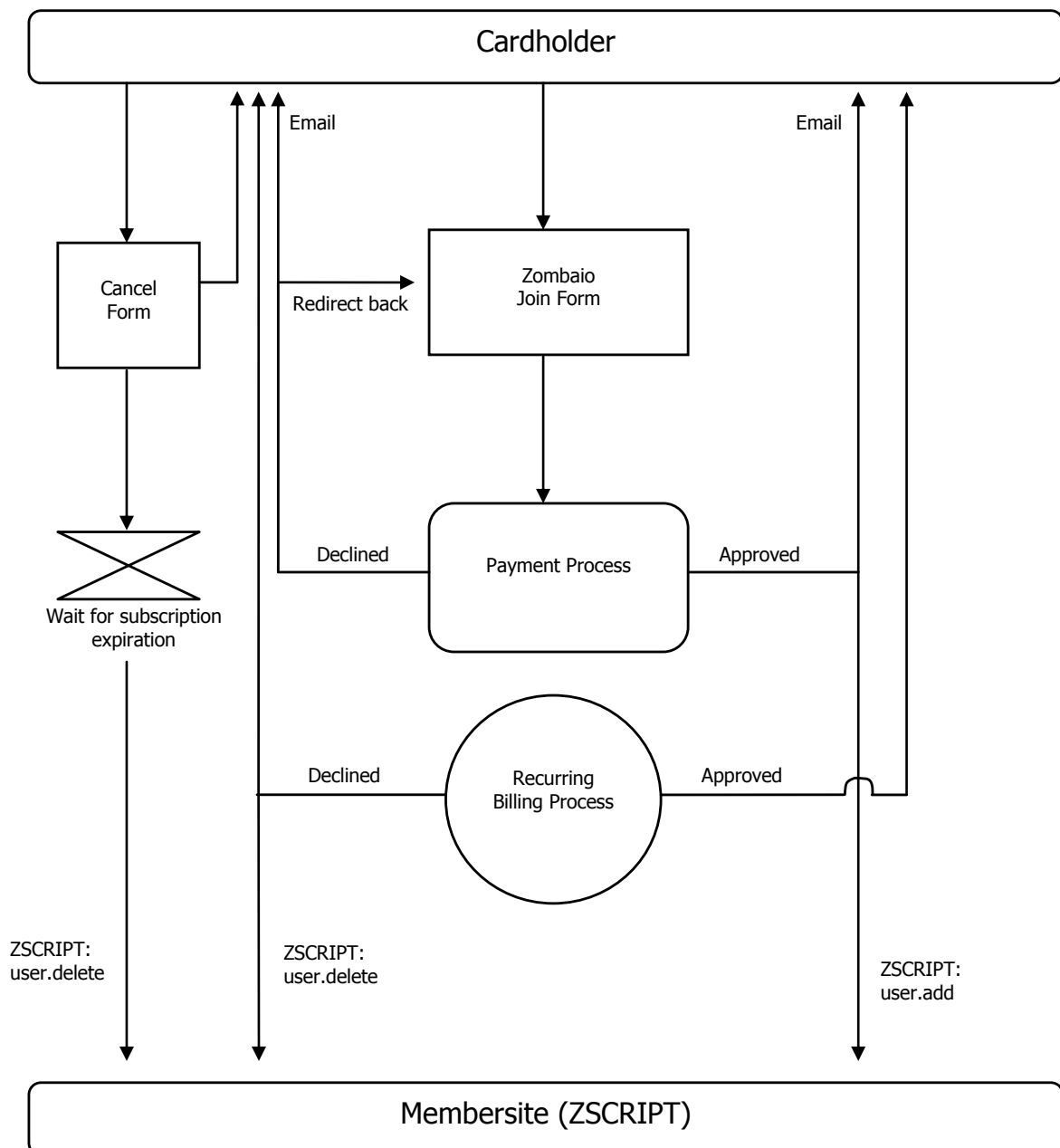
INSTALLATION OF PASSWORD MANAGEMENT

Zombaio Password Management can be installed on two ways.

Automatic installation

The most simple and most common way is to add your own member site via ZOA (Zombaio Online Administrator) as well as connection information to the FTP server. ZOA will then automatically create a unique ZSCRIPT for the member site, load the script on the FTP and execute the different parts to create a directory structure and correct **.htaccess** documents.

Important information about home and member directories

- The home (www root) directory should be the directory you come to if you are visiting the member site externally. Most often the home directory as "/" (www root) since in many cases you come to the www root by default.

  Example:
  If I place "test.html" in my home (www root) directory, it should be accessible from http://www.domain.com/test.html. This is extremely important in order for auto installation to work.

  For example, if you have to go to the "/www" directory before you reach your www root, it is important that you specify "/www/" as your home directory.

- The member directory is the directory in the home directory in which your protected files are located. Most often this directory is "/members/". That is, if I place "test.jpg" in my members directory, it will be accessible from http://www.domain.com/members/test.jpg.

In order to carry out an automatic installation, it is extremely important that the FTP server is prepared for ZSCRIPT by renaming or erasing the ".htaccess" file from the "members" directory before the installation is commenced.

If the installation finds an ".htaccess" file in the member directory, the installation will be cancelled and Zombaio Installation Team will automatically be notified.

If you succeed with the installation, you will not have to think about anything else as regards access to your members. Now, all access to the member directory is managed by Zombaio.

Manual installation

By selecting manual installation when you add to your site in ZOA (Zombaio Online Administrator) you will have access to ZSCRIPT (Zombaio Password Management) to add it manually to your site.

Please bear in mind that each ZSCRIPT file (ZombaioGW_1_1.php) contains unique keys for each site. That is to say, you can only use the ZSCRIPT file on the site for which it is intended.

Step-by-step guide to the manual installation of ZSCRIPT.

1. Rename of delete the "htaccess" file in your member directory. (e.g. /members)
2. Download the unique ZSCRIPT file for the site you will be working with by going to the site in ZOA and choose to download ZSCRIPT.
3. Open your downloaded (**ZombaioGW_1_1.php**) in a text editor and change the **$catalog** variable so that it corresponds to the name on your member directory,
   e.g. **$catalog = "members";**
4. Make a note of your gateway key from the **$ZombaioGWPass** variable; you will shortly have need of this.
5. Place the ZSCRIPT file (ZombaioGW_1_1.php) in the www root of your domain, accessible from http://www.domain.com/ZombaioGW_1_1.php (if everything is OK, "*Zombaio Gateway 1.1 Authentication failed*." will be displayed if you try to access the file from your web browser.
6. You are now ready to execute the script (the script creates .htaccess and .htpassword files).
7. Open your web browser and specify the URL of the ZSCRIPT as well as quesry string **ZombaioGWPass** and **Action** as follows:

   http://www.domain.com/ZombaioGW_1_1.php?Action=create.htaccess&ZombaioGWPass=**$ZombaioGWPass**

   Replace **$ZombaioGWPass** with the key you made a note of in step 4.

   It should look something like this:
   http://www.domain.com/ZombaioGW_1_1.php?Action=create.htaccess&ZombaioGWPass=4F2329E05048CFR020

   Execute the link.

8. A number of different messages can now be displayed in your web browser. The next page has an explanation of the different messages.

9. Complete

Error messages during manual installation

Below you will find a list of different error messages and actions that can occur during a manual installation of ZSCRIPT.

Message	Action
AUTHENTICATION_FAILED	Wrong key (**$ZombaioGWPass**); check, correct and execute the script again. Remember that the key should roughly look like this: **4F2329AA5048CFR021N2**
PATH_DOES_NOT_EXIST	You have entered an incorrect member directory. If the member directory is under http://www.domain.com/members, you should specify **$catalog = "members";** in the ZSCRIPT file. Correct are rerun ZSCRIPT*.
AUTH_FILE_EXIST	The "**.htaccess**" file in the member directory could not be found, and we are cancelling the installation for security reasons. Remove or rename the "**.htaccess**" file in the member directory and rerun ZSCRIPT*.
PASSWD_FILE_EXIST	The "**.htpasswd**" file in the member directory could not be found, and we are cancelling the installation for security reasons. Remove or rename the "**.htpasswd**" file in the member directory and rerun ZSCRIPT*.
PASS_AUTH_FILE_ERROR	Could not write to the "**/Zombaio_Data**" catalog. Make sure that ZSCRIPT has privileges to create directories and files. Then rerun ZSCRIPT.
AUTH_FILE_ERROR	Could not open "/ **Zombaio_Data/.htaccess**", check the privileges and execute again. *
PASSWD_FILE_ERROR	Could not open "/ **Zombaio_Data/.htpasswd**", check the privileges and execute again. *
PASSWD_FILE_NOT_READABLE	Could not open "/ **Zombaio_Data/.htpasswd**", check the privileges and execute again. *
OK	The installation was completed without problems!

*) Important information
There may have been time to create the *"/Zombaio_Data"* directory. Delete the content in this directory as well as the directory before executing the script again.

JOIN FORM INTEGRATION

After you have added your members' site in ZOA you will be asked to add a pricing structure for the site. You can add several pricing options (i.e. Trial $2,95 (3 days) then $29,95 every 30 days) to each site and you will be provided a pricing no. for each pricing option. If you click on the link "Get payment URL" in ZOA the system will give you an HTML example code like this:

```
<input type="button"
onClick="window.location='https://secure.zombaio.com/?SITE_ID.PRICING_ID.LANG;" value="Trial €2,95 (3 days) then €29,95 every 30 days">
```

SITE_ID	Site ID (provided in ZOA)
PRICING_ID	Pricing ID (aka product code) (provided in ZOA)
LANG	Language options: ZOM = Default (Script will detect user language based on IP) US = English FR = French DE = German IT = Italian JP = Japanese ES = Spanish SE = Swedish KR = Korean CH = Traditional Chinese HK = Simplified Chinese

With the code above you will be able to redirect the member to Zombaio's join form where he/she will enter address information, choose username and password, and enter credit card data.

If you want to pre-submit all data except the credit card data you can do so by using a form and post information to Zombaio like this:

```
<form method="POST" action="https://secure.zombaio.com/?
SITE_ID.PRICING_ID.LANG">

        <input type="hidden" name="FirstName" value="John">
        <input type="hidden" name="LastName" value="Doe">
        <input type="hidden" name="Address" value="Teststreet 1">
        <input type="hidden" name="Postal" value="12345">
        <input type="hidden" name="City" value="New York">
        <input type="hidden" name="Email" value="john@doe.com">
        <input type="hidden" name="Username" value="JohnDoe">
        <input type="hidden" name="Password" value="mysecret">

        <input type="submit" value="Continue -->" name="zomPay">
</form>
```

UNITED STATES
800 WEST EL CAMINO REAL
SUITE 180
MOUNTAIN VIEW, CA 94040
UNITED STATES

UNITED KINGDOM
PINEWOOD CHINEHAM BUSINESS PARK
CROCKFORD LANE,CHINEHAM
BASINGSTOKE RG24 8AL
UNITED KINGDOM

SWEDEN
TRADE CENTER
KRISTIAN DEN IV:S V 3
SE-30250 HALMSTAD
SWEDEN

+1-650-230-0994
WWW.ZOMBAIO.COM

Members Subscription Join Form Post Variables

Here is a set of variables that can be pre-submitted to the Zombaio Join Form.

Form POST variable	Description
FirstName	Member's first name
LastName	Member's last name
Address	Member's address
Postal	Member's postal or zip code
Region	Member's region (char[2])
City	Member's city
Country	Member's country (char[2])
Email	Member's e-mail
Username	Member's chosen username. Please note that members' must choose username. Automatic generation of usernames is not allowed. If posted, the member will not be able to change this value on Zombaio's form.
Password	Member's chosen password. Please note that members' must choose password. Automatic generation of passwords is not allowed. If posted, the member will not be able to change this value on Zombaio's form.
processor_id	If this value is provided, it will just be passed on to your site when payment is completed. For your internal use.
webmaster	If this value is provided, it will just be passed on to your site when payment is completed. It will also be provided in the TID report. (For your internal use)
return_url*	If this value is provided we will send the user to this URL when payment is completed. If this value is empty, we will redirect the member to a default welcome page where we show username, password etc.
return_url_approve*	If this value is provided we will send the user to this URL when payment is completed and **approved**. Any URL in **return_url** will be ignored.
return_url_decline*	If this value is provided we will send the user to this URL when payment is **declined** by the system / bank. Any URL in **return_url** will be ignored.
return_url_error*	If this value is provided we will send the user to this URL when payment is completed and **approved** but a **postback error** occured. Any URL in **return_url** or **return_url_approve** will be ignored.
site	If this value is provided, it will just be passed on to your site when payment is completed. It will also be provided in the TID report. (For your internal use)
member_keyword	If this value is provided, it will just be passed on to your site when payment is completed. It will also be provided in the TID report. (For your internal use)
extra	If this value is provided, it will just be passed on to your ZScript when payment is completed. For your internal use. Add several own variables posting: &variable1=data1&variable2=data2&variable3=data3…

CrossSale_Offer1 CrossSale_Offer2 CrossSale_Offer3	Enter the PricingID for a cross sale transaction here. The pricing must be a trial belonging to the same Merchant Account but not the same site. The offer will be presented on the member join page. Up to **3** offers Please use unique parameter names as your own post back data since they might conflict with the integrated variables. Use for example: MyValue_SiteID instead of SiteID.
CrossSale_Offer1_extra CrossSale_Offer2_extra CrossSale_Offer3_extra	If this value is provided, it will just be passed on to the ZScript of the appropriate CrossSale Offer when payment is completed. For your internal use. Add several own variables posting: &variable1=data1&variable2=data2&variable3=data3… **Example:** The QS variable in **CrossSale_Offer1_extra** will be posted along with the other parameters to the ZScript on the **first** cross sell site. The value **CrossSale_Offer2_extra** on your **second** cross sell site and so on… Please use unique parameter names as your own post back data since they might conflict with the integrated variables. Use for example: MyValue_SiteID instead of SiteID.
AffiliateID	**Important for 3rd party affiliate systems** If you are integrating or using a 3rd party affiliate system as NATS, MPA3 or similar this parameter MUST be provided. The AffiliateID parameter is a UNIQUE alpha numerical (<255 char) parameter that identifies the reseller / affiliate who referred the cardholder/order to the signup page. Without this ID we are unable to give reports and support for affiliate sales trough 3rd party systems.

All join form post variables are optional.

UNITED STATES
800 WEST EL CAMINO REAL
SUITE 180
MOUNTAIN VIEW, CA 94040
UNITED STATES

UNITED KINGDOM
PINEWOOD CHINEHAM BUSINESS PARK
CROCKFORD LANE,CHINEHAM
BASINGSTOKE RG24 8AL
UNITED KINGDOM

SWEDEN
TRADE CENTER
KRISTIAN DEN IV:S V 3
SE-30250 HALMSTAD
SWEDEN

+1-650-230-0994
WWW.ZOMBAIO.COM

Credits Purchase Form Post Variables

Since this is a purchase of credits we assume that the cardholder is a current member on your site and does not need to choose a username and password, as with the recurring billing option. However you need to know which user account we are processing. This is done by using an *identifier* string when the user is redirected to the payment form.

The *identifier* need to be submitted as a hidden form field, ie:

```
<form method="post" action="https://secure.zombaio.com/?
SITE_ID.PRICING_ID.LANG">
<input type="hidden" name="identifier" value="ABCD1234">
<input type="hidden" name="approve_url" value="http://www.site.com/ok.php">
<input type="hidden" name="decline_url"
value="http://www.site.com/fail.php">
<input type="submit" value="Click to buy credits">
</form>
```

After the auhorization process the cardholder/member is redirected back to the **approve_url** or **decline_url**. Note that we will not report the transaction status along with the redirection to the approve_url or decline_url. All transaction reports will be posted from our backend to your ZScript

Here is a set of variables that can be pre-submitted to the Zombaio Credits Purchase Form.

Form POST variable	Description
FirstName	Member's first name
LastName	Member's last name
Address	Member's address
Postal	Member's postal or zip code
Region	Member's region (char[2])
City	Member's city
Country	Member's country (char[2])
Email	Member's e-mail
identifier	Unique string that you can identify the user account. Normally a username or member id.
approve_url	To this URL we redirect the member after a successful purchase.
decline_url	To this URL we redirect the member after a declined purchase.
return_url_error*	If this value is provided we will send the user to this URL when payment is completed and **approved** but a **postback error** occured. Any URL in **approve_url** will be ignored.
credit_value	If you set this value the member will not be able to choose the credits value with a drop down box. Instead a fixed value will be used. 1 = €/$ 10.00 2 = €/$ 25.00 3 = €/$ 50.00 4 = €/$ 75.00 5 = €/$ 100.00
hide_credits	If you set this to "True" the form will only show the amount value.

DynAmount_Value	If this value is provided, the pricing structure in ZOA is ignored and the amount provided in this field are used (Dynamic Amount). Value should be with 2 decimals, ie: **"10.00" for €/$ 10.**
	The amount must be within the range €/$ 10.00 - €/$ 100.00 if you want to use other amounts you must get an approval from support@zombaio.com
DynAmount_Hash	Mandatory is DynAmount_Value is present. This is an MD5 hash of the DynAmount_Value for change protection and security. The value is calculated with help from your ZombaioGWPass like this:
	DynAmount_Hash = **MD5(**ZombaioGWPass **+** DynAmount_Value**)**
	Example:
	DynAmount_Value = '47.30' ZombaioGWPass = 'ABCD12345678ABCD' DynAmount_Hash = MD5('ABCD12345678ABCD' + '47.30') = 'aab200a253e433c360d5605f698c3a4b'
	Complete code:
	`<input type="hidden" name="DynAmount_Value" value="47.30">` `<input type="hidden" name="DynAmount_Hash" value="aab200a253e433c360d5605f698c3a4b">`
AffiliateID	**Important for 3rd party affiliate systems**
	If you are integrating or using a 3rd party affiliate system as NATS, MPA3 or similar this parameter MUST be provided. The AffiliateID parameter is a UNIQUE alpha numerical (<255 char) parameter that identifies the reseller / affiliate who referred the cardholder/order to the signup page.
	Without this ID we are unable to give reports and support for affiliate sales trough 3rd party systems.

All join form post variables are optional.

Using HTTP GET instead of HTTP POST

Some platforms prefer to use HTTP GET instead of HTTP POST when sending data to our join forms. Our examples above shows the use of the embedded http post method, but the http get methos are supported through our http get proxy script.

To use HTTP GET for subscription billings, send data to:
https://secure.zombaio.com/get_proxy.asp

To use HTTP GET for purchase of credits, send data to:
https://secure.zombaio.com/get_proxy_credits.asp

Example:
https://secure.zombaio.com/get_proxy.asp?SiteID=287648953&PricingID=931053&CrossSale_Offer1=938445&return_url_decline=www.test.com

ZOMBAIO POST BACK API DESCRIPTION

If you have any reason you cannot or will not use Zombaio's ZSCRIPT file, you can program your own. It is important that your own file responds with the same data as a Zombaio ZSCRIPT file. Below you will find a display of the different function calls that Zombaio's platform has against the ZSCRIPT file and how you should respond to the different calls.

By default, the file that is called is http://www.domain.com/ZombaioGW_1_1.php but can be changed in ZOA (Zombaio Online Administrator) to an optional file in an optional programming language.

There are example files for PHP and ASP.

What happends if a postback fails?
A postback can fail for 2 different main reasons:

1. The postback URL is not accessable due to several sub-reasons (DNS etc)
2. The postback is not returning **OK** to our postback server

For both of the above scenarios the postback will be handled the following way:

1. A re-callback will occur after **10 minutes**
2. A re-callback will occur after **20 minutes**
3. A re-callback will occur after **30 minutes**
4. An email will be sent to the merchant/principal with information about the postback error. Detailed information such as tried URL, subscription ID and error reason will be included in this email.

Adding a user

When this call is run, Zombaio expects a user account to be created with a user name and password that is enclosed in a query string. This call is normally executed for a new subscription.

Action: user.add

Example:

http://www.domain.com/ZombaioGW_1_1.php?Action=user.add&username=testuser&password=mypassword&ZombaioGWPass=4F2329AA5048CFR021N2&VISITOR_IP=127.0.0.1&CardHash=ab361c3a8h9e

URL Query String	Description
Action	Fixed value: "**user.add**"
username	User name selected by cardholder to gain access to member site.
password	Password **in plain text** selected by cardholder to gain access to member site. Since the password is sent in plain text, it must be encrypted using **crypt();** for Apache or its equivalent for other systems.
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
SUBSCRIPTION_ID	Unique identifier for the subscription
TRANSACTION_ID	Unique identifier for the financial transaction
Amount	Transaction amount
Amount_Currency	Currency of the transaction (EUR/USD)
FIRSTNAME	Member's first name
LASTNAME	Member's last name
NAME_ON_CARD	Name printed on the credit card (entered by cardholder)
ADDRESS	Member's address
POSTAL	Member's zip code
REGION	Member's region (numeric)
CITY	Member's city
COUNTRY	Member's country (ISO)
EMAIL	Member's email address
SITE_ID	The site identification number from where the member purchased the subscription
PRICING_ID	The pricing structure identification number the member selected when purchasing the subscription.
VISITOR_LANGUAGE	Member's language (ISO)
VISITOR_IP	Visitor IP address
CardHash	A hashed value of the credit card used to complete the transaction.
AffiliateID	Affiliate ID (only present if the sale is an affiliate sale)
AffiliateCommission	Affiliate Commission in €/$ (only present if the sale is an affiliate sale)

UNITED STATES
800 WEST EL CAMINO REAL
SUITE 180
MOUNTAIN VIEW, CA 94040
UNITED STATES

UNITED KINGDOM
PINEWOOD CHINEHAM BUSINESS PARK
CROCKFORD LANE,CHINEHAM
BASINGSTOKE RG24 8AL
UNITED KINGDOM

SWEDEN
TRADE CENTER
KRISTIAN DEN IV:S V 3
SE-30250 HALMSTAD
SWEDEN

+1-650-230-0994
WWW.ZOMBAIO.COM

ZOMBAIO®

When a call is executed from Zombaio's platform, a response in plain text (i.e. entirely without HTML tags) is expected from the web server. The following response can be provided from your script.

Response	Description
OK	Response if the user could be added without problems
ERROR	Response if an error occurred and the user could not be added.

Removing a user

When this call is run, Zombaio expects a user account to be removed, i.e. all access for a specified user name will cease on the member site. This call is normally executed when a subscription is cancelled or Zombaio is not able to debit for membership.

Action: user.delete

Example:
http://www.domain.com/ZombaioGW_1_1.php?Action=user.delete&username=testuser&ZombaioGW
Pass=4F2329AA5048CFR021N2

URL Query String	Description
Action	Fixed value: "**user.delete**"
username	User name selected by cardholder to gain access to member site.
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
ReasonCode	A code that explain the reason for the cancel. 1 Satisfied Customer (just moving on) 2 Income Issues 3 Spouse called in about charge 4 Minor used card 5 Only interested in trial subscription 6 Did not read terms and conditions 7 Not satisfied with content 8 Not receiving replies from Webmaster 9 Password problems 10 Unable to load content fast enough 11 Other
SubscriptionID	Unique identifier for the subscription
SiteID	The site identification number from where the member purchased the subscription

When a call is executed from Zombaio's platform, a response in plain text (i.e. entirely without HTML tags) is expected from the web server. The following response can be provided from your script.

Response	Description
OK	Response if the user could be deleted without problems
ERROR	Response if an error occurred and the user could not be deleted.
USER_DOES_NOT_EXIST	Response if the user could not be deleted since he/she was not in the list of users with access. *(unusual scenario)*

Rebill

This call is nothing more than an information call running for each rebills (recurring payments). Zombaio does not expect you to do anything with the member, even if the rebill fails. For failed rebills there will be up to 3 retries if the card is missing funds. For reported stolen or lost cards, no retries will be performed.

Action: rebill

Example:
http://www.domain.com/ZombaioGW_1_1.php?Action=rebill&ZombaioGWPass=4F2329AA5048CFR021N2&SUBSCRIPTION_ID=263663&TRANSACTION_ID=387722&Success=1&Retries=0&SiteID=4577377&Amount=19.95&Amount_Currency=USD

URL Query String	Description
Action	Fixed value: "**rebill**"
SUBSCRIPTION_ID	Unique identifier for the subscription
TRANSACTION_ID	Unique identifier for the transaction
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
Success	A code that explain the reason for the cancel. 0 Declined, no more retries (user.delete will be sent) 1 Approved 2 Declined, retrying in 5 days
Retries	Number of retries
SiteID	The site identification number from where the member purchased the subscription
Amount	Transaction amount
Amount_Currency	Currency of the transaction (EUR/USD)
AffiliateID	Affiliate ID (only present if the sale is an affiliate sale)
AffiliateCommission	Affiliate Commission in €/$ (only present if the sale is an affiliate sale)

When a call is executed from Zombaio's platform, a response in plain text (i.e. entirely without HTML tags) is expected from the web server. The following response can be provided from your script.

Response	Description

Nothing, Zombaio does not require any response for this callback

ZOMBAIO®

Adding credits to an existing user (WebCam or VOD)

This call is run when an existing user adds credit to his/her account. In most cases this function is used for WebCam live shows and Video on Demand (PPV/PPM). Zombaio expects the available credit on the user account increase with the provided "Credits" QS below.

Action: user.addcredits

Example:

http://www.domain.com/ZombaioGW_1_1.php?Action=user.addcredits&Identifier=User7362&Credits
=50&TransactionID=1000028837&SiteID=738742&Hash=a8eec58efbad22acd6b50d173ebac40c&VISI
TOR_IP=127.0.0.1&CardHash=ab361c3a8h9e

*) The Hash in the above example uses 4F2329AA5048CFR021N2 as ZombaioGWPass

URL Query String	Description
Action	Fixed value: "**user.addcredits**"
Identifier	Identifier provided by the merchant when redirecting the user to Zombaio's "add credit form". Usually the username or account number.
Credits	A fixed amount of credits added to the account. The value in this field represents the qty of credits added. I.e: **"30"** for **30 credits**
TransactionID	Unique identifier for the transaction
SubscriptionID	Unique identifier for the subscription
SiteID	The site identification number from where the member purchased the subscription
Amount	Transaction amount
Amount_Currency	Currency of the transaction (EUR/USD)
FIRSTNAME	Member's first name
LASTNAME	Member's last name
ADDRESS	Member's address
POSTAL	Member's zip code
REGION	Member's region (numeric)
CITY	Member's city
COUNTRY	Member's country (ISO)
EMAIL	Member's email address
Hash	A MD5 hashed value of the following consolidated: Identifier + ZombaioGWPass + Credits + SiteID (For protection of data modifications)
VISITOR_IP	Visitor IP address
CardHash	A hashed value of the credit card used to complete the transaction.
AffiliateID	Affiliate ID (only present if the sale is an affiliate sale)
AffiliateCommission	Affiliate Commission in €/$ (only present if the sale is an affiliate sale)

When a call is executed from Zombaio's platform, a response in plain text (i.e. entirely without HTML tags) is expected from the web server. The following response can be provided from your script.

Response	Description
OK	Response if the credits where added without problems
ERROR	Response if an error occurred and the credits could not be added.

Important information: If you use the user.addcredits call your script must always response OK for a user.add and user.delete call. You should not script any functionality to the user.add and user.delete call, but they must be there for service compability reasons.

Document	Created by		Page
Zombaio API	A. Williams / P. Jonson		24 (36)
Date	Prev Version		Version
Feb. 10, 10	2.10		2.11

ZOMBAIO®

Automated chargeback report (ACR)

The automated chargeback report URL is triggered if a cardholder disputes a transaction made from your site. The ACR often comes followed by a remove user request. In cases where Zombaio don't handle the user management (VOD,PPV etc) we expect you to suspend or remove the user account when you receive this trigger.

Action: chargeback

Example:
http://www.domain.com/ZombaioGW_1_1.php?Action=chargeback&Identifier=&SUBSCRIPTION_ID=0000&TRANSACTION_ID=0000& ZombaioGWPass=4234234&SiteID=123456&Username=paul&Amount=29.95&Amount_Currency=USD&ReasonCode=75&LiabilityCode=2&ChargebackRatio=1.03&CloseDownWarning=False

URL Query String	Description
Action	Fixed value: "**chargeback**"
Identifier*	Identifier provided by the merchant when redirecting the user to Zombaio's "add credit form". Usually the username or account number.
SUBSCRIPTION_ID	Unique identifier for the subscription
TRANSACTION_ID	Unique identifier for the transaction
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
SiteID	The site identification number from where the member purchased the subscription
Username*	User name selected by cardholder to gain access to member site.
Amount	Transaction amount
Amount_Currency	Currency of the transaction (EUR/USD)
ReasonCode	See **Appendix A** (Chargeback Reason Codes)
LiabilityCode	1 = Merchant is liable for the chargeback 2 = Card Issuer is liable for the chargeback (3D Secure) 3 = Zombaio is liable for the chargeback (Fraud Insurance) If LiabilityCode is "1" the specified amount will be deducted from your next payout.
ChargebackRatio	Your current percent value of chargeback for a 3 months period.
CloseDownWarning	**True** or **False**. Occurs if ChargebackRatio > 5% Your account is CB critical and Zombaio consider an account close down. Your account is sent to our risk manager for a final appraisal.

*) if applicable, otherwise empty or "nullstring"

Zombaio will always send an e-mail to the registered principal if CloseDownWarning is set to True.

When a call is executed from Zombaio's platform, a response in plain text (i.e. entirely without HTML tags) is expected from the web server. The following response can be provided from your script.

Response	Description
OK	Chargeback report received

Declined transaction

This call will be executed if a transaction fails due to bad credit, unable to process, anti fraud etc.

Action: declined

Example:
http://www.domain.com/ZombaioGW_1_1.php?Action=declined&Identifier=&SiteID
=0000&TRANSACTION_ID=0000&ZombaioGWPass=4234234&Amount=29.95&Amount_Currency=US
D&ReasonCode=B01&VISITOR_IP=127.0.0.1&CardHash=ab361c3a8h9e

URL Query String	Description
Action	Fixed value: "**declined**"
Identifier*	Identifier provided by the merchant when redirecting the user to Zombaio's "add credit form". Usually the username or account number.
TRANSACTION_ID	Unique identifier for the transaction
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
SiteID	The site identification number from where the member purchased the subscription
Amount	Transaction amount
Amount_Currency	Currency of the transaction (EUR/USD)
FIRSTNAME	Member's first name
LASTNAME	Member's last name
ADDRESS	Member's address
POSTAL	Member's zip code
REGION	Member's region (numeric)
CITY	Member's city
COUNTRY	Member's country (ISO)
EMAIL	Member's email address
ReasonCode	See **Appendix B** (Decline Reason Codes)
VISITOR_IP	Visitor IP address
CardHash	A hashed value of the credit card used to complete the transaction.

*) if applicable, otherwise empty or "nullstring"

When a call is executed from Zombaio's platform, a response in plain text (i.e. entirely without HTML tags) is expected from the web server. The following response can be provided from your script.

Response	Description
OK	Report received

MERCHANT API DESCRIPTION

This part of the documentation describes API calls that can be made from the merchant's back end.

All calls to Zombaio shall be made with POST or GET method to the following URL:

https://secure.zombaio.com/API/<Action>

I.e:
https://secure.zombaio.com/API/Cancel/?variable1=value1&variable2=value2...

Make sure you have port 443 open in your firewall for outbound traffic.

Canceling a subscription

This API should be executed if you want to cancel a recurring subscription. If you get an approved response the member will no longer be charged for this subscription anymore.

API URL:

https://secure.zombaio.com/API/Cancel

Example:

https://secure.zombaio.com/API/Cancel/?SUBSCRIPTION_ID=0000&MERCHANT_ID=00000&Zombaio GWPass=4F2329AA5048CFR021N2&ReasonCode=5

URL Query String	Description
SUBSCRIPTION_ID	Unique identifier for the subscription you want to cancel.
MERCHANT_ID	Your Zombaio merchant id (found on your Zombaio agreement and in ZOA Dashboard)
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
ReasonCode	A code that explain the reason for the cancel. 1 Satisfied Customer (just moving on) 2 Income Issues 3 Spouse called in about charge 4 Minor used card 5 Only interested in trial subscription 6 Did not read terms and conditions 7 Not satisfied with content 8 Not receiving replies from Webmaster 9 Password problems 10 Unable to load content fast enough 11 Other (Default)

Zombaio will respond to your call with in plain text (i.e. entirely without HTML tags)
The following response can be provided from Zombaio.

Response	Description
0	Unknown error
1	Cancelation successful or subscription already cancelled
2	Wrong merchant id or ZombaioGWPass
3	Unknown subscription id or subscription belong to other merchant
4	System unable to process the request at the moment

UNITED STATES
800 WEST EL CAMINO REAL
SUITE 180
MOUNTAIN VIEW, CA 94040
UNITED STATES

UNITED KINGDOM
PINEWOOD CHINEHAM BUSINESS PARK
CROCKFORD LANE,CHINEHAM
BASINGSTOKE RG24 8AL
UNITED KINGDOM

SWEDEN
TRADE CENTER
KRISTIAN DEN IV:S V 3
SE-30250 HALMSTAD
SWEDEN

+1-650-230-0994
WWW.ZOMBAIO.COM

ZOMBAIO®

Refunding a transaction

This API should be executed if you want to refund a transaction via API. You can also refund transactions via ZOA.

API URL:
https://secure.zombaio.com/API/Refund

Example:
https://secure.zombaio.com/API/Refund/?TRANSACTION_ID=0000&MERCHANT_ID=00000&Zombaio GWPass=4F2329AA5048CFR021N2&Refund_Type=1

URL Query String	Description
TRANSACTION_ID	Unique identifier for the transaction you want to refund..
MERCHANT_ID	Your Zombaio merchant id (found on your Zombaio agreement and in ZOA Dashboard)
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
Refund_Type	Refund type 1 Refund the transaction 2 Refund the transaction and cancel the subscription 3 Refund the transaction, cancel the subscription and block the cardholder (suspected fraud)

NOTE!

Only the transaction specified in the TRANSACTION_ID will be refunded. If it is a recurring subscription with several transactions you want to refund, you have to execute this call for each of the transactions within the subscription you want to refund.

Zombaio will respond to your call with in plain text (i.e. entirely without HTML tags)
The following response can be provided from Zombaio.

Response	Description
0	Unknown error
1	Refund successful or refund already processed
2	Wrong merchant id or ZombaioGWPass
3	Unknown transaction id or transaction id belong to other merchant
4	System unable to process the request at the moment
5	Refund rejected due to insufficient funds due on your account.
6	Refund rejected by bank – contact support or try to refund in ZOA

Transaction information download

This API should be executed if you want to download transaction information in a comma delimited text file for a specific time frame.

API URL:

https://secure.zombaio.com/API/TID

Example:

https://secure.zombaio.com/API/TID/?MERCHANT_ID=00000&ZombaioGWPass=4F2329AA5048CFR021N2&Start_Date=2007-01-01&End_Date=2007-12-31

URL Query String	Description
MERCHANT_ID	Your Zombaio merchant id (found on your Zombaio agreement and in ZOA Dashboard)
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
Start_Date	Start date of report (YYYY-MM-DD)
End_Date	End date of report (YYYY-MM-DD)

Zombaio will respond to your call with a comma delimited text file.

Response from Zombaio
See **Appendix C**

Error codes

Response	Description
2	Wrong merchant id or ZombaioGWPass
4	System unable to process the request at the moment
5	No transactions found during selected period

Instant Upgrade (Upsell)

Execute this API call and the subscription will instant convert from trial to recurring membership.

This function will only work on trial subscriptions.

API URL:
https://secure.zombaio.com/API/Upgrade

Example:
https://secure.zombaio.com/API/Upgrade/?MERCHANT_ID=00000&ZombaioGWPass=4F2329AA5048C
FR021N2& SUBSCRIPTION_ID=00000000&CC_CVV=123

URL Query String	Description
MERCHANT_ID	Your Zombaio merchant id (found on your Zombaio agreement and in ZOA Dashboard)
SUBSCRIPTION_ID	Unique identifier for the subscription you want to upgrade.
ZombaioGWPass	Unique key for the very site / merchant for which it is created. You can find the key in the SCRIPT file under **$ZombaioGWPass** or under site information in ZOA (Zombaio Online Administrator)
CC_CVV	The Credit Card Security Code (CVV/CVC). You have to ask the member for this code before you can convert the subscription and pass it on to this field, but you are not allowed to store the code. Not even encrypted!

Zombaio will respond to your call with in plain text (i.e. entirely without HTML tags)
The following response can be provided from Zombaio.

Response	Description
0	Unknown error
1	Upgrade Successful
2	Wrong merchant id or ZombaioGWPass
3	Unknown subscription id or subscription belong to other merchant
4	System unable to process the request at the moment
5	Invalid CVV
6	Subscription already converted
7	Upgrade not possible for this subscription
8	Bank Rejected (No funds available)
9	Upgrade retries exceeded (3 times)

UNITED STATES
800 WEST EL CAMINO REAL
SUITE 180
MOUNTAIN VIEW, CA 94040
UNITED STATES

UNITED KINGDOM
PINEWOOD CHINEHAM BUSINESS PARK
CROCKFORD LANE,CHINEHAM
BASINGSTOKE RG24 8AL
UNITED KINGDOM

SWEDEN
TRADE CENTER
KRISTIAN DEN IV:S V 3
SE-30250 HALMSTAD
SWEDEN

+1-650-230-0994
WWW.ZOMBAIO.COM

ADDING OR ERASING NON-PAYING USERS

You can easily add or erase non-paying users of your member site via ZOA (Zombaio Online Administrator).

SYNCHRONIZING USER ACCOUNTS

This function can be initialized via ZOA and carries out a total resynchronization of the ".htpasswd" file or equivalent. This function erases all accounts in the file and adds those that are to be re-accessed according to Zombaio's database. This is carried out if the local user database has become corrupted or unsynchronized.

API SUGGESTIONS OR FEEDBACK

We are always looking for feedback and we understand that the key for an optimal payment platform is to take suggestions serious from clients like you. If you want to request a new feature, please logon to ZOA and click **Help** > **Request a feature** and submit your suggestion. If you have complaints, comments to this API or need some help with your integration, please send an email to support@zombaio.com

ZOMBAIO INSTALLATION TEAM

If you have any problems with the installation, please forward an E-mail with the following to support@zombaio.com

- Your client ID or merchant ID
- The site in question (URL or ID)
- Log-on information for the FTP server
- Information about whether you have a current password management from another billing provider that you would like to retain and run parallel with Zombaio.

Zombaio Installation Team installations are entirely free-of-charge and are normally carried out within 24 hours.

Livechat:
http://www.zombaio.com/livechat/

E-mail:
support@zombaio.com

UNITED STATES
800 WEST EL CAMINO REAL
SUITE 180
MOUNTAIN VIEW, CA 94040
UNITED STATES

UNITED KINGDOM
PINEWOOD CHINEHAM BUSINESS PARK
CROCKFORD LANE,CHINEHAM
BASINGSTOKE RG24 8AL
UNITED KINGDOM

SWEDEN
TRADE CENTER
KRISTIAN DEN IV:S V 3
SE-30250 HALMSTAD
SWEDEN

+1-650-230-0994
WWW.ZOMBAIO.COM

APPENDIX A (CHARGEBACK REASON CODES)

Code	Description
30	**CB – Services/Merchandise Not Rec'd** Cardholder did not receive, due to merchant's unwillingness or inability.
41	**Cancelled Recurring Transaction** The issuer receives a complaint from the cardholder that payment of a recurring transaction or pre-authorized transaction was cancelled.
53	**Not as Described or Defective** Goods or services received were not as described on the website presented to the cardholder.
57	**Fraudulent Multiple Drafts** Complaint from cardholder who acknowledges participation in at least one transaction but states that he/she neither participated in not authorized the other transaction(s) (recurring)
73	**Expired Card** Transaction receipt shows that the card expired before the transaction date and the merchant did not obtain authorization.
74	**Late Presentment** The transaction date is more than 30 calendar days but less than 181 calendar days prior to the central processing date and the cardholder account number is blocked or closed.
75	**Cardholder Does Not Recognize** Cardholder does not recognize the sale and the issuer has made a good-faith effort to help the cardholder recognize it.
83	**Fraudulent Transaction – Card Absent Environment** A transaction was processed in a card-absent environment without the cardholder's permission.
85	**Credit Not Processed** The merchant issued a credit transaction receipt or refund acknowledgement but the transaction was not processed through interchange.
86	**Altered Amount / Paid by Other Means** A sale posted to the cardholder's credit card account; however, the cardholder can prove that he paid by an alternative means. Alternative means can be cash, check, a sale to a different credit card, or a sale to a debit card.
93	**Risk Identification Service (RISCE)** Transaction appeared on the Risk Identification Service Chargeback Exception report. This means the card network (Visa/MC) automatically issues a chargeback on this transaction. No reversal rights, except for credits.
101	**Zombaio – Not as Described or Defective** Zombaio receives a complaint from the cardholder that services received were not as described on the website presented to the cardholder. Zombaio investigates the website with same conclusions. (Risk for a multi chargeback)
102	**Zombaio – No access to website (Script problem or Site down)** Zombaio receives a complaint from the cardholder that services received were not accessible. Zombaio has made a good-faith effort to help the cardholder accessing the site.

APPENDIX B (DECLINE REASON CODES)

Code	Description
B01	**Declined by Issuing Bank** The Credit Card provided was declined by the issuing bank.
B02	**Card Expired** Credit Card Expired
B03	**Card Lost or Stolen** Card Issuer reports card lost or stolen.
B04	**Card on Negative List** Card present on International Blacklist
F01	**Blocked by Anti Fraud System Level1 - Velocity** Transaction blocked by anti fraud system.
F02	**Blocked by Anti Fraud System Level2 – Geo Technology** Transaction blocked by anti fraud system.
F03	**Blocked by Anti Fraud System Level3 - Blacklist** Transaction blocked by anti fraud system.
F04	**Blocked by Anti Fraud System Level4 - Bayesian probability** Transaction blocked by anti fraud system.
F05	**Blocked by Anti Fraud System Level5 - Other** Transaction blocked by anti fraud system.
H01	**3D Secure – Failed to authenticate** 3D Secure transaction failed
E01	**Merchant Account Closed or Suspended** The processing account is closed or suspended.
E02	**Routing Error** Connection or routing problem, try again later.
E03	**General Error** Unspecified general error.

APPENDIX C (TRANSACTION INFORMATION DOWNLOAD)

The file will be a comma delimited text file with the following values

Column Header	Description
Trn_type	**Transaction Type** F = Free Trial T = Trial I = Initial U = Conversion/Upgrade N = Rebill C = Refund / Credit D = Chargeback
Trn_date	**Transaction Date (UTC)** Gives you the transaction date and time **UTC** (YYYY-MM-DD HH:MM:SS)
Subscription_id	**Subscription ID** Gives you the subscription id
Transaction_id	**Transaction ID** Gives you the unique transaction id, there might be several transactions per subscription id.
Amount	**Transaction amount** Positive decimal number for purchase (29.95) or negative for refund or chargeback (-29.95)
Currency	**Base Currency** The merchant account payout currency (EUR or USD)
Site_id	**Zombaio Site ID** Unique site identifier, provided in ZOA Note: Don't mix this value with **Site** which is another thing.
Pricing_id	**Zombaio Pricing ID** (aka. Product no) Unique pricing identifier, provided in ZOA
Webmaster	If this value was provided as a post variable to the join form, it will be available here. If not, this will just be an empty string.
Username	**Username** Member's chosen username
Password	**Password** Member's chosen password in plain text.
Identifier	**Identifier** (for Credits Purchase) Variable provided when posting the member to the credits purchase form
Name	**Full Name** Member's full name.
Address	**Address** Member's address (street).
Postal	**Postal or Zip** Member's postal or Zip address.
City	**City** Member's city.
Region	**Region** Member's state or region.

ZOMBAIO®

Country	**Country** Member's country.
Ip	**IP** Member's IP address.
Email	**Email** Member's email address
CardType	**Credit Card Type** Credit Card Type used: V = Visa or Visa Electron M = MasterCard or Maestro A = American Express D = Diners Club J = JCB S = Switch or Solo O = Other form of payment
Special_Conditions	**Special Conditions** Includes different data for different payment types. For Chargebacks, this value will contain the original transaction id.
CardMask	**Masked Card Number** Masked Credit Card Number, i.e. 41XX XXXX XXXX 6352
CardExp	**Card Expiry Date** Credit Card Expiry date (YYYY-MM)
CardHash	**Card Hash** A hashed value of the credit card used. This is so your script can determine if the member is using different credit cards with repeating orders. This value will ALWAYS be the same for a specific card, no matter of the merchant. This means that you will be able to cross-compare this value between different Zombaio sites and merchants. i.e. 9c26eh8372ac2d9fh221ac1hh2e26090
Extra	If this value was provided as a post variable to the join form, it will be available here. If not, this will just be an empty string.
Canceled	**Canceled** 0=active 1=cancelled (Still access) 2=norecurring 3=cancelled (no access) 4=other (ie fraud etc - no access)
LiabilityCode	**Liability Code** 1 = Merchant is liable for the chargeback 2 = Card Issuer is liable for the chargeback (3D Secure) 3 = Zombaio is liable for the chargeback (Fraud Insurance) If LiabilityCode is "1" the specified amount will be deducted from your next payout.
member_keyword	If this value was provided as a post variable to the join form, it will be

	available here. If not, this will just be an empty string.
Site	If this value was provided as a post variable to the join form, it will be available here. If not, this will just be an empty string. Note: Don't mix this value with **Site_id** which is another thing.
CrossSale_Offer_extra	Representing value from: CrossSale_Offer1_extra CrossSale_Offer2_extra CrossSale_Offer3_extra When submitting the transaction to Zombaio. If this transaction is for the 2:dn cross sale the data in CrossSale_Offer2_extra will be represented in this field.