

Instant payment notification Guide

Topic: Setting up access to instance payment notification (IPN)
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Preface

What is this guide about?

IPN means instant payment notification.

That is connecting a vendor's billing system to DigiStore24. The vendor's billing system will be notified via an automated http request about payments, chargebacks and refunds.

This will allow the vendor to maintain the customers' order data in their own data base and keep track of orders and sales.

Who is this guide for?

This guide is for software developers and system administrators, who want to connect a vendor's billing system to DigiStore24.

Quick integration Guide

A) Prepare the ipn script:

1. Download the ipn receiver script.

https://www.digistore24.com/download/ipn/examples/ipn/ipn_receiver.php

2. Review the script. Locate the comments adjust the script according to the comments. Pay special attention to the “// EDIT HERE”-Comments.
3. Make sure, the constant SHA_PASSPHRASE is set to a unique, non-guessable value.
4. Put the script on your server. Note the url, which will run the script on your server.

B) Edit the ipn settings in DigiStore24

1. In DigiStore, go to [Settings – IPN](#).
2. Edit an Instant Payment Notification settings. If required, click “Add” to create a new setting.
3. As Type, select “**Generic**”.
4. Select the checkboxes for all products you want to handle by the ipn script. Or just select “All”.
5. As “IPN url” enter the url from step A 4.
6. For SHA512 enter the passphrase from step A 3.
7. As IPN timing, select “Before redirect to thankyou page”.
8. Make sure, “Active” is set to yes.
9. Click the “Test connection” button and review the result. It should say “OK”.
10. Save your changes.
11. Start a test order and make sure, the order is processed correctly on your server. Review the IPN log on page [Reports - IPN](#).
12. That’s it 😊

UTF-8-Encoding only

We only support UTF-8 encoding. All data we provide are in UTF-8. We only accept data in UTF-8.

Products and Orders

Example:

A buyer orders the product “Guide to Happiness”.

Then there will be:

- One order for each order, e.g. A3NXHEHF. This order id is unique– no other order of any buyer has this order id.
- A product id, e.g. 122343 for product “Guide to Happiness”. Each order of “Guide to Happiness” has the same product id 122343.
- A transaction id for each transaction. A transaction is a payment, a refund or a chargeback.

Buyer

A buyer is the person in front of the computer screen, who buys your product.

Order

If a buyer buys one or more products using the same order form at the same time, this is one order.

An order consists one initial sale and up to three upsells. These are called “order items”.

Transaction

A transaction is a payment, a refund or a chargeback.

At digistore , we process one transaction for each order item.

Example: If a buyer buys an initial sale and the first upsale, then there are two transactions meaning two payments.

IPN Call

This is the instant payment notification (IPN) we send to your server. Foreach transaction, there is one IPN Call. If a customer buys three products, there will be three IPN calls – one for each payment of each product.

IPN Events for Orders

For each transaction and on some other conditions (like a missed rebilling payment) an ipn event is sent. The event name is sent as \$_POST['event'].

Each IPN call sends exactly one of these event notifications:

Event	Description
on_payment	The buyer makes a successful payment.
on_refund	The support team of the vendor or DigiStore24 has initiated a refund, which has been successfully processed.
on_chargeback	The creditcard company processed a chargeback.
on_payment_missed	For a subscription or installment payment, a payment is missing. The reason may be, that the payment failed (after some tries) or the rebilling was cancelled by the buyer. See billing_sto_reason . Please note, that a "on_payment" event may occur, if the buyer succeeds in payment after the "on_payment_missed event".
on_rebill_cancelled	The buyer has requested a cancellation of his rebilling purchase (subscription or installment payment). This event is sent immediately, when the support clicks the "stop rebilling" button in the order details. Some days later (when the payment is due, but not completed), a on_payment_missed event is sent.
on_rebill_resumed	The buyer has requested to continue the rebilling payments. This event is sent, when the support clicks the "restart rebilling" button in the order details.
last_paid_day	The last paid day of the order is over. The event is usually sent early in the morning.

Other IPN Events

Event	Description
connection_test	Our server sends this event to test the connection to your server, e.g. if you hit the "Test connection" button in the vendor's IPN settings section. The response should always be "OK".
on_affiliation	When affiliations wants to promote your product and the affiliation is accepted, then an IPN-Call with this event will be sent.

customform	A custom form has been filled out.
eticket	An eticket has been created or updated.

What is the difference between “on_payment_missed” and “on_rebill_cancelled”?

The "on_rebill_cancelled" is sent, when the customers cancels a subscription or installment payment and the support operator stops the payments.

The "on_payment_missed " event is sent, when the next payment would be due.

Example

Alice pays every 1st of the month 27 USD for a subscription.

She cancels on August 20th. Then the "rebilling cancelled" event is sent.

On 1st of September the next payment would be done, if she hadn't cancelled. On September 1st (or up to two days later) the "payment missed" event is sent.

You may use the "rebilling cancelled" to put Alice into the next marketing funnel (for customers, who cancelled).

You may use the "payment missed" to cancel the access to the product, Alice had the subscription for.

IPN Parameters for order events

With each IPN request, we send this set of parameters.

These parameters are included in the SHA512 Signature, see page 10.

The SHA512 Signature itself is transferred as the parameter named **sha_sign**.

Parametername	Type	Description	Example value
ipn_version	float	Current version of the the ipn interface	1.2
api_mode	string(4)	Indicates live or test mode. Possible values: <ul style="list-style-type: none"> live test 	live
order_id	string(15)	Unique id of the order. Multiple transaction of the same order have the <i>same</i> order id.	34DEFS45DE2
order_date	string(10)	Date of the order.	2013-03-31
order_time	string(8)	Time of the order.	15:57:34
order_date_time	string(19)	Date and time of the order	2013-03-31 15:57:34
transaction_date	date	Date of the transaction (e.g. of the payment). If often the same as order_date, but may differ e.g. for payment by echeck.	2013-03-31

Parametername	Type	Description	Example value
receipt_url	string(127)	Url for DigiStore's receipt page of the order	https://www.digistore24.com/receipt/abc123/xyz789
renew_url	string(127)	Url to redo a payment if the payment was cancelled (or to change the payment data for rebilling)	https://www.digistore24.com/rennew/abc123/xyz789
add_url	string(127)	Url to add or remove products from an order (when the main product's or the addon's quantity may be changes after the purchase. This is setup in the product editor)	https://www.digistore24.com/order/add/abc123/xyz789
support_url	string(127)	Url to access our buyer support system. This system answers frequently asked questions. It also allows the buyer to cancel rebilling payments and to request a refund.	
rebilling_stop_url	string(127)	Url to stop the rebilling payments. Empty, if the purchase is not a rebilling purchase.	
request_refund_url	string(127)	Url to request a refund.	
order_details_url	string(127)	Url for order details. If you are not logged in into Digistore, you will be asked to log in.	
add_url	string(127)	Url for changing quantities after the purchase. This must be enabled in the product editor.	
switch_pay_interval_url	string(127)	Url for switching between payment plans. Only useful, if the product is a subscription and as at least two payment plans.	
payment_id	string(40)	Unique id of the payment. Multiple payments of the same order have <i>different</i> payment ids.	PAYID-43-3999234
merchant_id	int	Unique ID of vendor	39499382
merchant_name	string(31)	Unique DigiStore name of vendor	KlausMeier
custom	String(63)	Custom parameter the vendor has sent as GET-Parameter "custom" to the orderform.	user_300342
country	string(2)	Country ISO-Code (two characters) of the buyer's country. If the buyer does not enter a country (e.g. for digital products), the country is determined using the buyers id.	US

Parametername	Type	Description	Example value
affiliate_id	int	Unique ID of affiliate. 0 if sale without affiliate.	339993
affiliate_name	string(31)	Unique DigiStore name of affiliate or empty (if sale without affiliate)	
campaignkey	string(23)	The campaignkey of the affiliate (used as part of the promolink).	NewsletterXY
trackingkey	string(47)	The vendor's trackingkey (used as GET-Parameter ds24tr as part of the promolink or orderform url)	SalespageXY
salesteam_name	string(63)	Name of the sales team who has created the purchase	A-Team
salesteam_id	int	The id of the sales team	12345
transaction_id	int		3999938
transaction_amount	float		37.99
transaction_currency	string(3)	Currency code	USD
transaction_processed_at	date		2012-03-23 18:21:47
transaction_type	enum	Possible values: <ul style="list-style-type: none"> • payment • refund • chargeback 	payment
pay_sequence_no	int	For single payments this value is 0. For installments and subscription only: Number of payment, e.g. 1 for the first payment, 2 for the second and so on. See also <code>order_item_billing_type</code> .	3
currency	string(3)	Currency code	USD
amount_brutto	float	Brutto amount of the payment	97.00
amount_netto	float	Netto amount of the payment (i.e. the brutto amount minus the vat amount)	81.51
amount_vat	float	Amount of the vat.	15.49
amount_provider	float	Fee for Digistore	8.66
amount_fee	float	If applicable: chargeback fee	0.00
amount_payout	float	Amount shared between vendor, affiliate, jv partner and cross upsell partner (as far as applicable)	72.85
amount_vendor	float	Share of the vendor	51.00
amount_affiliate	float	Share of the affiliate (if applicable)	21.85

Parametername	Type	Description	Example value
amount_partner	float	Share of jv/cross upsell partners (if applicable)	0.00
amount_credited	float	If the buyer performs an upgrade or downgrade of the order or changes the payment plan or removes items from an existing order, then there may be a credit balance from the previous purchase. This is the amount the the balance credit for this payment.	0.00
vat_rate	float	The vatrate in percent.	19.00
number_of_installments	int	Total number of payments including the first payment.	3
billing_type		Possible values: <ul style="list-style-type: none"> • single_payment • subscription • installment 	single_payment
billing_status	string(15)	Possible values: <ul style="list-style-type: none"> • paying (only for rebilling. Payments are active) • aborted • unpaid • reminding • completed (only for single payment and installments. The single payment is completed / All installment payments are completed) 	completed
is_cancelled_for	date	If given, the order is cancelled for this date. The product access should stop on this day.	
billing_stop_reason	string(23)	Only if a rebilling has stopped. Possible values: <ul style="list-style-type: none"> • by_operator • by_buyer • by_refund • by_chargeback • by_payment_denial • by_payment_uncertain • pay_alias_invalid • upgraded • no_product • merchant_inactive • unknown 	

Parametername	Type	Description	Example value
pay_method	string(23)	Payment method, e.g. paypal, ELV, creditcard	ELV
tags	string(47)	Tags – durch Kommas getrennt	
product_id	int	Unique id of the product.	3323323
product_language		Language code of the product's language	en
product_name	string(63)	Readable name of the product	Fast wealth guide
product_delivery_type	enum	Possible values: digital shipping	digital
variant_id	string(31)	The id of product variant the buyer has selected (only if variants have been added to the product).	blue
variant_name	string(63)	Dito – for the name of the variant	blue colored shirt
quantity	int	Number of ordered products (with id product_id). Often this is 1.	4
product_id_2	int	Unique id of the second product of the purchase (if appropriate).	
product_id_3	int	Unique id of the third product of the purchase (if appropriate).	
<p>Same for:</p> <ul style="list-style-type: none"> - product_id_4, product_id_5, ... - product_name, product_name_2, product_name_3, ... - product_delivery_type, product_delivery_type_2, product_delivery_type_3, ... - variant_id, variant_id_2, variant_id_3, ... - variant_name, variant_name_2, variant_name_3, ... - quantity, quantity_2, quantity_3, ... 			
buyer_id	int		333222
email	string(63)		claus@domain-xyz.com
language	string(2)	Language code of the buyer's language	en
address_first_name			Claus
address_last_name			Myer
address_id			12345
address_street		Street name and street no. Blank, if no address given	Mainstr. 123a
address_street_name		Street name only	Mainstr.
address_street_number		Street number only	123a
address_city			Berlin
address_state		Only for countries, which have a state (like USA). For Germany, no state is given.	
address_zipcode			12345

Parametername	Type	Description	Example value
address_country		2-Letter ISO country code Blank, if no address given	DE
address_country_name		Full name of the country Blank, if no address given	Germany
address_company		Blank, if no company given	Some Company Ltd.
address_tax_id		The vat id of the buyer company. Blank, if no vat id given	
address_phone_no		Blank, if no phone no given	
custom_key	string(23)	A random key, which is unique for the order. This key is transmitted to DigiMember and DigiBizz and may be used for automated user login.	1234-Naiy8ahSaiT
orderform_id		The id of orderform used for the purchase	654321
payplan_id		The id of the selected payment plan.	123456

Customer to affiliate program

Parametername	Type	Description	Example value
customer_affiliate_url	string(127)	If you have enabled the "Customers to Affiliates" program for the purchased main product, this links contains the invitation url for the customer to become an affiliate. If he follows the url, an DigiStore24 account will be create. If the program is disabled, this parameter is missing.	https://www.digistore24.com/become_affiliate/abc123/xyz789
customer_affiliate_name	string(31)	If the buyer has a DigiStore24 account, this is the account name. This does not necessarily mean, that he has established affiliations with your products.	user12345 supermerchant claus
customer_affiliate_promo_url	string(127)	The promo link for the affiliate	

Rebilling

For billing_type subscription or installments, these extra values are transferred:

Parametername	Type	Description	Example value
first_amount	float	The brutto amount the buyer agreed to pay	30.00
first_vat_amount	float	The vat amount of first_amount	4.79
other_amounts	float	The second and following brutto amounts the buyer	30.00

		agreed to pay	
other_vat_amounts	float	For the second and following vat amounts	4.79
first_billing_interval	time interval	The period of time between the first and the second payment	7_day
other_billing_intervals	time interval	The period of time between the second and the third payment (and subsequent payments)	1_month
next_payment_at	date	Date of the next expected payment	2016-03-30

Upgrades

For upgrade purchases these additional fields are transferred:

Parametername	Type	Description	Example value
upgrade_type	string(15)	"upgrade" = Wechsel zu teurerem Produkt "downgrade" = Wechsel zu günstigeren Produkt "special_offer" = Mitgliederangebot "switch_plan" = Tarifwechsel "package_change" = Paketwechsel	
upgraded_order_id	string(15)	Id of the "upgraded" order, i.e. the order id the buyer has purchased the upgrade for.	1A2B3C4E
upgraded_order_date	string(10)	Date of the upgraded order.	2013-03-31
upgraded_order_time	string(8)	Time of the upgraded order.	15:57:34
upgraded_order_date_time	string(19)	Date and time of the upgraded order	2013-03-31 15:57:34
upgraded_buyer_id	int	Id of the buyer who placed the original order. This is usually the same as the current order, but may be different, if the buyer has entered a different name.	1234
upgraded_email	string(63)		user@domain.com
upgraded_address_first_name	string(39)		Claus
upgraded_address_last_name	string(39)		Meyer
upgraded_product_id	int		15332
upgraded_product_name	string(63)		Instant Happyness
upgraded_product_id_2	int		16331
upgraded_product_name_2	string(63)		Wealth – the Guide
upgraded_product_id_3	int		12332
upgraded_product_name_3	string(63)		The Wealth Action Plan
(and so on)			
delivery_date	date	If given, the date, when the new product should be delivered and access to the previous (upgraded) product	(empty) or 2014-03-12

Parametername	Type	Description	Example value
		should be stopped. If empty, access to the new product should be granted immediately.	
upgraded_order_paid_until	date	For upgrade_type "switch_plan" only. The previous order is paid until this date.	2014-03-12

License Data

This section only applies, if DigiStore24 delivers a license key together with your product. These data are only transferred for order events, not for other events like affiliation events.

If no license key is delivered with your product, these parameters are omitted.

Parametername	Type	Description	Example value
license_id	int	Unique ID for the license.	12345678
license_key	string(255)	The license key displayed to the customer. The format varies with the creation method.	26WBC-694J5-N7BBG-9LN4V-HBD9E-TVPEE-H38F9-D72CB
license_created	date	The date the license key was created.	2012-12-15 21:09:28
license_key_type	enum	Possible values: <ul style="list-style-type: none"> list – the key was taken from a list of keys you have uploaded to DigiStore24 random – DigiStore24 has created the key randomly and unique remote – DigiStore24 has fetched the key from your server via http request 	random
license_data_first_name license_data_last_name license_data_email license_data_product (for license key type list and random)	string (each)	For license key types list and random , DigiStore24 sets the parameters to the values corresponding to the purchase.	
license_data_KEY1 license_data_KEY1_label license_data_KEY2 license_data_KEY2_label license_data_KEY3 license_data_KEY3_label (for license key type remote)	string (each)	For license key type remote . Your license server may deliver license data as key values pairs. Example: Your name: Myers Your key: ooZai8oh Then DigiStore24 adds license data in this way: license_data_XX1=Myers license_data_XX1_label=You name license_data_XX2= ooZai8oh license_data_XX2_label=You key	

Parametername	Type	Description	Example value
		XX1/XX2 are random keys.	

License data and addon products

If there is more than one product part of a purchase, then for the second product a “_2” is added to the parameter name, e.g.: **license_key_2**

For the third addon product, a “_3” is added. And so on.

Coupons

Buying coupons

Parametername	Type	Description	Example value
coupon_id	Int	Id of the coupon	12345
coupon_code	string(64)	The code used to encash the voucher	DS11 22AA BB44 55CC DD66
coupon_amount_total	float	The amount of the voucher	50.00
coupon_amount_left	float	The unused amount of the voucher	17.33
coupon_currency	string(7)	The currency code of the voucher	EUR
coupon_code_2	string(64)	The code of the second voucher of the purchase (if applicable)	
coupon_amount_total_2	float	...	
coupon_amount_left_2	float	...	
coupon_currency_2	string(7)	...	
...			

Using coupons

Parametername	Type	Description	Example value
coupon_id	Int	Id of the coupon	12345
coupon_code	string(64)	The code used to encash the voucher	DS11 22AA BB44 55CC DD66
voucher_code	string(64)	The tracking voucher code of the coupon	coupon_12345
used_coupon_code	String(64)	The coupon code used for this purchase	DS11 22AA BB44 55CC DD66
used_coupon_id	Int	The id of the coupon used for this purchase	1122

Etickets

This section only applies, if DigiStore24 delivers etickets together with your product. These data are only transferred for order events, not for other events like affiliation events.

Note, that there is also a separate ipn notification for created and updated etickets. The ipn data described here are transferred for the order ipn notifications.

If no eticket is delivered with your product, these parameters are omitted.

If the user opens the url in the web browser, he may be asked for his name (if no name is known for the ticket). Then the ticket will be saved on used computer.

Please to NOT use instructions like “Right click the link and select save”. Then the user may not be able to enter his name.

Parametername	Type	Description	Example value
eticket_date	date	Date of the event (of the 1st product of the order)	2015-12-27
eticket_date_2	date	Date of the event (of the 2nd product of the order)	2015-12-27
eticket_date_3	date	Date of the event (of the 3rd product of the order)	2015-12-27
(and so on)			
eticket_hint	string(127)	Hint/time on the event (of the 1st product of the order)	7:00 am (Room 174)
eticket_hint_2	string(127)	Hint/time on the event (of the 2nd product of the order)	7:00 am (Room 174)
eticket_hint_3	string(127)	Hint/time on the event (of the 3rd product of the order)	7:00 am (Room 174)
(and so on)			
eticket_url	string(255)	Url to download the eticket as an pdf file (if it is created for the 1st product of the order).	https://www.digistore24.com/eticket/file00934837212041586171.pdf
eticket_url_2		Same for the 2nd product of the order	
eticket_url_3		Same for the 3rd product of the order	
(and so on)			
eticket_url_B		2nd eticket of the 1st product.	
eticket_url_C		3rd eticket of the 1st product.	
eticket_url_D		4th eticket of the 1st product.	
...			
eticket_url_Z		26th eticket of the 1st product.	
eticket_url_ZA		27th eticket of the 1st product.	
eticket_url_ZB		28th eticket of the 1st product.	
...			
eticket_url_ZZ		52nd eticket of the 1st product.	
eticket_url_ZZA		53rd eticket of the 1st product.	
...			
eticket_url_ZZZ		78th eticket of the 1st product.	
eticket_url_ZZZA		79th eticket of the 1st product.	
(and so on)			
eticket_url_2_B		2nd eticket of the 2nd product.	
eticket_url_3_B		2nd eticket of the 3rd product.	
eticket_url_4_B		2nd eticket of the 4nd product.	

Parametername (and so on)	Type	Description	Example value
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Newsletter subscription

On the orderform, the user can be asked for a newsletter subscription (see the settings in the product editor, Tab Orderform).

Parametername	Type	Description	Example value
newsletter_choice	string(15)	none = no newsletter optin checkbox was shown. optin = the buyer checked the newsletter optin checkbox optout = the buyer did not check the newsletter optin checkbox (but it was present on the order form)	optin
newsletter_choice_msg	string(63)	Die gewählte Option als lesbarer Text (in der Sprache der Bestellung).	Newsletter bestellt

IPN-Parameter for the On-Affiliation-Event

Parametername	Type	Description	Example value
ipn_version	float	Current version of the the ipn interface	1.2
api_mode	string(4)	Indicates test mode. Possible value is only: <ul style="list-style-type: none"> live 	live
email	string(63)	Email address of the new affiliate	user@domain.com
affiliate_name	string(31)	Digistore24-Id of the new affiliate	maxmarketer
affiliate_link	string(127)	The new affiliate's promolink	https://promo.123.maxmarketer.digistore24.com
language	string(2)	The new affiliate's language	de
order_id	string(31)	"affiliate-" followed by the affiliate id	affiliate-12345
order_date	string(10)		2013-03-31
order_time	string(8)		15:57:34
order_date_time	string(19)		2013-03-31 15:57:34
address_first_name			
address_last_name			
address_id			
address_street		Street name and street no. Blank, if no address given	Mainstr. 123a
address_street_name		Street name only	Mainstr.
address_street_number		Street number only	123a

Parametername	Type	Description	Example value
address_city		Blank, if no address given	
address_state		Blank, if no address given	KlausMeier
address_zipcode		Blank, if no address given	123456 123456,78900,9865
address_country		Blank, if no address given	
address_company		Blank, if no company given	
product_id		Unique id of the product.	3323323
product_language		Language code of the product's language	en
product_name	string(63)	Readable name of the product	Fast wealth guide

IPN-Parameter for the Eticket-Event

Note: The address data may be missing, if an eticket is created, but no participant data are available.

When the buyer then enters the participant data, a new ipn notification is sent with event "eticket" and action "update".

Parametername	Type	Description	Example value
ipn_version	float	Current version of the the ipn interface	1.2
api_mode	string(4)	Indicates test mode. Possible value is only: <ul style="list-style-type: none"> test 	test
action	string(15)	Possible values <ul style="list-style-type: none"> create update use cancel_use revoke cancel_revoke 	update
address_email	string(63)	Email address of the new affiliate	user@domain.com
address_first_name	string(39)		
address_last_name	string(39)		
address_salutation	string(1)	Possible values: F – for Mrs M – for Mr.	F
address_title	string(31)		Prof. Dr. Dr.
merchant_id	int	Unique ID of vendor	39499382
merchant_name	string(31)	Unique DigiStore name of vendor	KlausMeier
order_id	string(31)	The order id followed by a dash and the eticket id	A1B2D3E4-1234567890
order_date	string(10)	Date of the order.	2013-03-31
order_time	string(8)	Time of the order.	15:57:34
order_date_time	string(19)	Date and time of the order	2013-03-31 15:57:34
order_is_paid	string(1)	Y- the order is paid or being paid (in case of subscription or	Y

Parametername	Type	Description	Example value
		installments) N – the order is not paid (e.g. the payment was refunded or charged back)	
order_billing_status	string(15)	Possible values: <ul style="list-style-type: none"> • paying (only for rebilling. Payments are active) • aborted • unpaid • reminding • completed (only for single payment and installments. The single payment is completed / All installment payments are completed) 	completed
product_id	int		
product_name	string(63)		
language	string(2)	2-letter language code of product	De
note	text		
eticket_id	int	Short id of the eticket (unique)	1003226187
eticket_code	int	Long id of the eticket (includes the short id and additional an authentication code)	1003226187724329359 1
eticket_no	int	No of this eticket in the current order position (1 for the first eticket, 2 for the second and so on)	1
eticket_count	int	Total number of etickets in the current order position	3
eticket_is_blocked	string(1)	Y – the eticket has been revoked manually N – the eticket is usable	N
eticket_used_at	date	Empty (if not used) or a date	2015-08-20 10:05:11
eticket_created_at	date	Empty (if not used) or a date	2015-08-20 10:05:11
eticket_modified_at	date	Empty (if not used) or a date	2015-08-20 10:05:11
eticket_url	url	The url to download the eticket as a pdf document	
location_id	int		
location_name	string[63]		
location_note	text		
location_map_image_url	string[255]		
location_country	string[2]	Iso-Code of the country of the location of the seminar	DE
location_address	text		
location_latitude	string[15]		43.132472
location_longitude	string[15]		11.1109412
location_directions	text		

IPN-Parameter for the Customform-Event

Note: The address fields may be missing. They are only added, if the custom form contains inputs of an address type (like firstname, lastname, salutation, street, city and so on).

Parametername	Type	Description	Example value
ipn_version	float	Current version of the the ipn interface	1.2
api_mode	string(4)	Indicates test mode. Possible value is only: <ul style="list-style-type: none"> test 	test
action	string(15)	Possible values <ul style="list-style-type: none"> create 	create
order_id	string(31)	“eticket-“ followed by the eticket id	affiliate-1234567890
order_date	string(10)	Date of the order.	2013-03-31
order_time	string(8)	Time of the order.	15:57:34
order_date_time	string(19)	Date and time of the order	2013-03-31 15:57:34
address_email	string(63)	Email address of the new affiliate	user@domain.com
address_first_name	string(39)		
address_last_name	string(39)		
address_salutation	string(1)	Possible values: F – for Mrs M – for Mr.	F
(and so on)			
merchant_id	int	Unique ID of vendor	39499382
merchant_name	string(31)	Unique DigiStore name of vendor	KlausMeier
order_id	string(31)	The order id followed by a dash, the form id, a dash, the form no	A1B2D3E4-12345-1
order_date	string(10)	Date of the order.	2013-03-31
order_time	string(8)	Time of the order.	15:57:34
order_date_time	string(19)	Date and time of the order	2013-03-31 15:57:34
order_billing_status	string(15)	Possible values: <ul style="list-style-type: none"> paying (only for rebilling. Payments are active) aborted unpaid reminding completed (only for single payment and installments. The single payment is completed / All installment payments are completed) 	completed
product_id	int		
form_no			
form_count			
data-XXXXX	string	For each field of the custom	

Parametername	Type	Description	Example value
		form, a field data-XXXXX is added, where XXXXX is the (internal) name of the field.	

IPN-Parameter for the Test-Event

Parametername	Type	Description	Example value
ipn_version	float	Current version of the the ipn interface	1.2
api_mode	string(4)	Indicates test mode. Possible value is only: <ul style="list-style-type: none"> test 	test
merchant_id	int	Unique ID of vendor	39499382
merchant_name	string(31)	Unique DigiStore name of vendor	KlausMeier
product_ids	string(10000)	Comma separated list of the merchant's products ids (or empty, if the merchant has not yet created any products)	123456 123456,78900,9865

SHA-Signature

We add to our request a sha512 signature. This allows you to verify the integrity of the transferred data.

Parameters (must be in alphabetical order)

```

buyer_email:      claus@domain-xyz.de
payment_id:      PAYID-39-22012
order_id:        273732
transaction_amount: 17.00
transaction_currency: USD
    
```

SHA512 Passphrase: xxxxx

String to hash:

```

buyer_email=claus@domain-xyz.dexxxxxorder_id=273732xxxxxpayment_id=PAYID-39-22012xxxxxtransaction_amount=17.00xxxxxtransaction_currency=USDxxxxx
    
```

(Put all parameters in one line without line breaks. I have inserted the line breaks for better readability. Sort the parameters by the name (not case sensitive))

SHA512 Signature of string to hash:

```

342770076245D14ED7DF4D2E5D82216D7EDF8F9E7969B5964C9C5DCB53E962BBECD545E90422B5329C69554FD8B1A7E7410736615FCA7FB5CBB3624CC016E4BC
    
```

For every IPN call, the SHA-signature is sent as parameter "sha_sign".

To download an example PHP script for computing the SHA512 signature or for more information on DigiStore24 IPN, visit <https://www.digistore24.com/test/ipn>.

IPN log – IPN failures

You find the IPN log in the vendor view under Settings – IPN.

There every IPN request is listed – successful and unsuccessful ones.

An IPN call is considered a success, if the DigiStore server receives the text “OK” (upper case, without the quotes) from your server.

If an IPN call fails, the DigiStore server will retry for at least 20 times over the next 10 days. The first retry is after 3 minutes. If the calls continue to fail, the retry interval increases up to 24 hours after 10 tries.

Redirect to your Thank-You-Page

After the buyer has paid, he is redirected to the product’s thank you page.

DigiStore automatically appends these GET-Parameters to the thank you page url:

Parametername	Type	Description	Example value
order_id	string(15)		34DEFS45DE2
country	string(2)	Country ISO-Code (two characters) of the buyer’s country. If the buyer does not enter a country (e.g. for digital products), the country is determined using the buyers id.	US
order_item_id	int	Globally unique id of the order item.	33299237
product_id			3323323
buyer_id			333222
buyer_email	string(63)		claus@domain-xyz.com
buyer_language	string(2)	Language code of the buyer’s language	En

If the product delivery type is set to “shipping”, then these parameters are added:

Parametername	Type	Description	Example value
address_first_name			
address_last_name			
address_id			
address_street			
address_city			
address_state			

Parametername	Type	Description	Example value
address_zipcode			
address_country			
address_phone_no			
address_mobile_no			

IPN Parameters for affiliation events

With each IPN request, we send this set of parameters.

These parameters are included in the SHA512 Signature, see page 10.

The SHA512 Signature itself is transferred as the parameter named **sha_sign**.

Parametername	Type	Description	Example value
ipn_version	float	Current version of the the ipn interface	1.2
api_mode	string(4)	Is always "live".	live
merchant_id	int	Unique ID of vendor	39499382
merchant_name	string(31)	Unique DigiStore name of vendor	KlausMeier
country	string(2)	Country ISO-Code (two characters) of the affiliate's country.	US
affiliate_id	int	Unique ID of affiliate.	339993
affiliate_name	string(31)	Unique DigiStore name of affiliate	
affiliate_link	string(127)	The promolink the affiliate may use to promote the vendor's product	http://promo.some-affiliate.123.digistore24.com
product_id		Unique id of the product.	3323323
product_language		Language code of the product's language	en
product_name		Readable name of the product	Fast wealth guide
product_delivery_type	enum	Possible values: digital shipping	digital
email	string(63)		claus@domain-xyz.com
language	string(2)	Language code of the affiliate's language	EN
address_first_name			
address_last_name			
address_street			
address_city			
address_state			
address_zipcode			
address_country			
address_company			

Parametername	Type	Description	Example value
address_tax_id			
address_phone_no			

Changelog

IPN Version 1.2

Parameter **function_call** is deprecated. Please use parameter **event** instead, which contains the same values.

IPN Version 1.3 (05/29/2013)

Added event **on_affiliation**.

buyer_address_XXXX is deprecated. Use address_XXXX instead.

buyer_first_name is deprecated. Use address_first_name instead.

buyer_last_name is deprecated. Use address_last_name instead.

buyer_language is deprecated. Use language instead.

buyer_email is deprecated. Use email instead.

product_code is deprecated. Use product_id instead.

IPN Version 1.4 (01/31/2014)

Added parameter 'pay_method'

IPN Version 1.5 (02/22/2014)

monthly_amount is deprecated. Use other_amounts instead.

monthly_vat_amount is deprecated. Use other_vat_amounts instead.

IPN Version 1.6 (28/08/2014)

Vat_amount is deprecated. Use amount_vat instead.

Added amount_brutton, amount_netto, amount_vat, amount_payout, amount_merchant, amount_affiliate, amount_fee, amount_provider, and amount_partner

IPN Version 1.6 (22/08/2015)

Added ipn events for etickets and custom forms

IPN Version 1.6 (10/01/2017)

Added information on license data and addon products.

IPN Version 1.6 (08/20/2018)

Added Parameter: switch_pay_interval_url

Added paragraph: Customer to affiliate program

Changed: customer_to_affiliate_url to customer_affiliate_url
(customer_to_affiliate_url stays valid)