

PAYMENTADMIN API 1.2

SveaWebPay

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Revisions

2016-11-23:

- First version

2017-01-19

- Updated the allowed VatPercent for rows

2017-02-08

- Updated the Credit new order row payload

2017-04-07

- Updated OrderStatus with the Processing status for checkout orders

2018-01-17

- Added InvoiceDistributionType parameter to Deliver order

2019-01-30

- Corrected action from CanDeliverOrderPartially to CanDeliverPartially

2019-07-29

- Added information about Status and Due Date for the deliveries

Overview

This service is created to support administration of orders from the Svea Checkout system.

All URI:s are written in the specific form:

URI: ActualURI [**HTTP-VERB**]

Example:

Get order by id 1:

URI: <https://paymentadminapi.svea.com/api/v1/orders/1> [**GET**]

A star in the column indicates:

RO represents **Read only**, data that is only used in output.

R represents **Required**, the request is not valid unless this data is included.

All amounts are written in their minor currency (rounded to two decimals and then multiplied with 100).

Example:

15.25 SEK will be written as 1525, 120 SEK will be written as 12000 etc.

12.40 EUR will be written as 1240, 150 EUR will be written as 15000 etc.

Many values are written with minor unit, which means that they are rounded to two decimals and then multiplied with 100 to remove the decimals.

Example:

Quantity: 5.5 will be written as Quantity: 550

VatPercent: 25 will be written as VatPercent: 2500

Quantity: 1.333 will be written as Quantity: 133

All URI's are specified with each documented call below.

All data sent to the system should be correctly **UTF-8** encoded.

Testing

External test address: <https://paymentadminapistage.svea.com>

Production

External prod address: <https://paymentadminapi.svea.com>

Abbreviations and Types used in the description

- **Types**
 - **String:** Any plain text.
 - **Long:** Number without decimals. Like 10, 42, -92. Range span between -9,223,372,036,854,775,808 and 9,223,372,036,854,775,807
 - **Boolean:** True or False
 - **DateTime/Timestamp:** Date in format 2016-11-16 13:21:02

Authentication

Every request to the API must be authenticated by using the Authorization HTTP request-header.

The timestamp should be in the header, name: "timestamp" and the value should be the time when the message was created and sent in UTC.

The authorization header is calculated for each request using this formula:

$$\text{base64} (\{MerchantId\} : \text{sha512} (\text{RequestBody} + \text{SecretWord} + \text{Timestamp}))$$

Example:

Timestamp: 2016-11-16 13:21:02

Authorization: Svea TQ1Q0MzNDJERkQxRDRDRTgxQzM2NjNGRjAwMTg3RTE3M0NDNg==

Actions

Actions describe what action you can perform on an entity.

Example:

When using GET on an order you get an action "CanDeliverOrder". This means that you are able to perform the Deliver action described in this document.

If order does not contain action "CanCreditNewRow" then you cannot perform the Credit new row action described in this document.

Property names

The properties of the response will be in PascalCase (PropertyName).

Get order

This method is used to get the entire order with all its relevant information. Including its deliveries, rows, credits and addresses.

URI: /api/v1/orders/{OrderId} [GET]

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.

Response payload:

Parameter	Type	Description
Order	Order	An object containing all the order details. See order structure in Data objects chapter.

HTTP status code 200 indicating success, everything else indicating a failure.

Get task

A task will explain the status of a previously performed operation. When finished it will point towards the new resource with the Location header.

URI: /api/v1/queue/{TaskId} [GET]

Query string parameters:

Parameter	R	Type	Description
TaskId	*	Long	Id of the queued task

Header in response:

Parameter	Type	Description
Location	String	URI to the created resource

Response payload:

Parameter	Type	Description
Task	Task	And object containing details regarding a queued task

Will return HTTP status code 200 while the task is pending.

Once the task is completed, this method will return HTTP status code 303 and the Location header will point towards the new resource.

Every other response code indicate a failure.

Deliver order

Creates a delivery on checkout order {orderId}. Assuming the order got the "CanDeliverOrder" action.

The deliver call should contain a list of all order row ids that should be delivered.

If a complete delivery of all rows should be made the list should either contain all order row ids or be empty.

However if a subset of all active order rows are specified a partial delivery will be made. Partial delivery can only be made if the order has the "CanDeliverPartially" action and each OrderRow must have action "CanDeliverRow".

InvoiceDistributionType parameter can only be used for orders with PaymentType Invoice. If not specified then default distribution type 'Post' will be used.

URI: /api/v1/orders/{OrderId}/deliveries **[POST]**

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.

Payload parameters:

Parameter	R	Type	Description
OrderRowIds	*	List of Long	Id of the order rows to be delivered
InvoiceDistributionType		Long	Invoice distribution types: <ul style="list-style-type: none"> • Default = 0, • Post = 2, • Email = 3, • EInvoiceB2B = 4

Header in response:

Parameter	Type	Description
Location	String	URI to the created task. Example https://paymentadminapi.svea.com/api/v1/queue/1

HTTP status code 202 indicating success and the Location header will point to the queued task while the resource is being created, everything else indicates a failure.

Cancel order

By setting the IsCancelled parameter to true the order is cancelled, assuming the order has the action "CanCancelOrder".

URI: /api/v1/orders/{OrderId}/ [PATCH]

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.

Payload parameters:

Parameter	R	Type	Description
IsCancelled	*	Boolean	Set to true to cancel order, cannot be undone.

HTTP status code 204 (No Content) indicating success, everything else indicating a failure.

Cancel order amount

By specifying a higher amount than the current order cancelled amount then the order cancelled amount will increase, assuming the order has the action "CanCancelOrderAmount". The delta between the new CancelledAmount and the former CancelledAmount will be cancelled.

The new CancelledAmount cannot be equal to or lower than the current CancelledAmount or more than OrderAmount on the Order.

URI: /api/v1/orders/{OrderId}/ [PATCH]

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.

Payload parameters:

Parameter	R	Type	Description
CancelledAmount	*	Long	1-13 digits, only positive. Minor currency.

HTTP status code 204 (No Content) indicating success, everything else indicating a failure.

Cancel order row

Changes the status of an order row to "Cancelled", assuming the order has the action "CanCancelOrderRow" and the OrderRow has the action "CanCancelRow".

URI: /api/v1/orders/{OrderId}/rows/{OrderRowId} [PATCH]

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.
OrderRowId	*	Long	Id of the specified row

Payload parameters:

Parameter	R	Type	Description
IsCancelled	*	Boolean	Set to true to cancel order row, cannot be undone.

HTTP status code 204 (No Content) indicating success, everything else indicating a failure.

Credit order rows

Creates a new credit on the specified delivery with specified order rows. Assuming the delivery has action "CanCreditOrderRows" and the specified order rows also has action "CanCreditRow"

URI: /api/v1/orders/{OrderId}/deliveries/{DeliveryId}/credits **[POST]**

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.
DeliveryId	*	Long	Id of the specified delivery

Payload parameters:

Parameter	R	Type	Description
OrderRowIds	*	List of Long	Id of the delivered order rows that will be credited

Header in response:

Parameter	Type	Description
Location	String	URI to the created task. Example https://paymentadminapi.svea.com/api/v1/queue/1

HTTP status code 202 indicating success and the Location header will point to the queued task while the resource is being created, everything else indicates a failure.

Credit new order row

By specifying a new credit row, a new credit row will be created on the delivery, assuming the delivery has action "CanCreditNewRow".

URI: /api/v1/orders/{OrderId}/deliveries/{DeliveryId}/credits **[POST]**

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.
DeliveryId	*	Long	Id of the specified delivery

Payload parameters:

Parameter	R	Type	Description
NewCreditOrderRow		CreditOrderRow	The new credit row
NewCreditOrderRows		List of CreditOrderRow	Use this if crediting multiple new rows

Header in response:

Parameter	Type	Description
Location	String	URI to the created task. Example https://paymentadminapi.svea.com/api/v1/queue/1

HTTP status code 202 indicating success and the Location header will point to the queued task while the resource is being created, everything else indicates a failure.

Credit amount

By specifying a credited amount larger than the current credited amount. A credit is being made on the specified delivery. The credited amount cannot be lower than the current credited amount or larger than the delivered amount.

This method requires "CanCreditAmount" on the delivery.

URI: /api/v1/orders/{OrderId}/deliveries/{DeliveryId} **[PATCH]**

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.
DeliveryId	*	Long	Id of the specified delivery

Payload parameters:

Parameter	R	Type	Description
CreditedAmount	*	Long	1-13 digits, only positive. Minor currency.

HTTP status code 204 (No Content) indicating success, everything else indicating a failure.

Add order row

This method is used to add order rows to an order, assuming the order has the action "CanAddOrderRow".

If the new order amount will exceed the current order amount, a credit check will be taken.

URI: /api/v1/orders/{OrderId}/rows **[POST]**

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.

Payload parameters:

Parameter	R	Type	Description	Limits
ArticleNumber		String	Articlenumber as a string, can contain letters and numbers.	Maximum 256 characters.
Name	*	String	Article name.	1-40 characters.
Quantity	*	Long	Quantity of the product.	1-9 digits. Minor unit.
UnitPrice	*	Long	Price of the product including VAT.	1-13 digits, can be negative. Minor currency.
DiscountPercent		Long	The discountpercent of the product.	0-9900. Minor unit
VatPercent	*	Long	The VAT percentage of the current product.	Valid vat percentage, allowed is 0, 600, 1200, 2500. Minor unit
Unit		String	The unit type, e.g., "st", "pc", "kg" etc.	0-4 characters.

Response parameters:

Parameter	Type	Description
OrderRowId	Long	The row id of the newly created OrderRow

Header in response:

Parameter	Type	Description
Location	String	URI to the created task. Example https://paymentadminapi.svea.com/api/v1/queue/1

HTTP status code 202 indicating success and the Location header will point to the queued task while the resource is being created, everything else indicates a failure.

Update order row

This method is used to update an order row, assuming the order has action "CanUpdateOrderRow" and the order row has the action "CanUpdateRow".

The method will update all fields set in the payload, if a field is not set the row will keep the current value.

If the new order amount will exceed the current order amount, a credit check will be taken.

URI: /api/v1/orders/{OrderId}/rows/{OrderRowId} [PATCH]

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.
OrderRowId	*	Long	Id of the specified row

Payload parameters:

Parameter	R	Type	Description	Limits
ArticleNumber		String	Articlenumber as a string, can contain letters and numbers.	Maximum 256 characters.
Name		String	Article name.	1-40 characters.
Quantity		Long	Quantity of the product.	1-9 digits. Minor unit.
UnitPrice		Long	Price of the product including VAT.	1-13 digits, can be negative. Minor currency.
DiscountPercent		Long	The discountpercent of the product.	0-9900. Minor unit
VatPercent		Long	The VAT percentage of the current product.	Valid vat percentage, allowed is 0, 600, 1200, 2500. Minor unit
Unit		String	The unit type, e.g., "st", "pc", "kg" etc.	0-4 characters.

HTTP status code 204 (No Content) indicating success, everything else indicating a failure.

Get invoice as PDF

This method is used to get the invoice in PDF-format

URI: /api/v1/pdf/{OrderId}/{invoiceId} [GET]

Query string parameters:

Parameter	R	Type	Description
OrderId	*	Long	Checkout order id of the specified order.
InvoiceId	*	Long	Invoice identification number

Response payload:

Parameter	Type	Description
Pdf	String	Base64-encoded PDF

HTTP status code 200 indicating success, everything else indicating a failure.

Error handling

When an error occurs the API will return a response in the following format

Error response

Parameter	Type	Description
Code	Long	The internal error code
Message	String	The error message, describing more widely what went wrong. For example "Validation Error"
Errors	List of Errors	Errors that describe what went wrong

Errors

Parameter	Type	Description
Code	Long	The internal error code
Field	String	In case of an validation error, this describes which field that was effected
Message	String	Describes the error more in detail. For example "Name is too long, it cannot be longer than 40 characters"

Data objects

Order

Parameter	Type	Description
Id	Long	Checkoutorderid of the order
Currency	String	The current currency as defined by ISO 4217, i.e. SEK, NOK etc.
MerchantOrderId	String	A string with maximum of 32 characters that identifies the order in the merchant's systems.
OrderStatus	String	The current state of the order, see list of possible OrderStatus below.
EmailAddress	String	The customer's email address
PhoneNumber	String	The customer's phone number
PaymentType	String	The final payment method for the order. Will only have a value when the order is locked, otherwise null. See list of possible PaymentType below.
CreationDate	DateTime	Date and time when the order was created
NationalId	String	Personal- or organizationnumber.
IsCompany	Boolean	True if nationalid is organisationnumber, false if nationalid is personalnumber.
OrderAmount	Long	The total amount on the order. Minor unit
CancelledAmount	Long	The total cancelled amount on the order. Minor uit
ShippingAddress	Address	Shipping address of identified customer.
BillingAddress	Address	Billing address of identified customer.
OrderRows	List of OrderRow	
Deliveries	List of Delivery	
Actions	List of String	A list of actions possible on the order.
SveaWillBuy	Boolean	Only available on Invoice order. Is true if Svea buys the invoice.
CustomerReference	String	Only available on Invoice order.

Delivery

Parameter	Type	Description
Id	Long	Delivery id
CreationDate	DateTime	Date and time when the order was created
InvoiceId	Long	Invoice identification number, is only set if the payment method is invoice
DeliveryAmount	Long	The total amount on the delivery. Minor unit
CreditedAmount	Long	The total credited amount on the delivery. Minor unit
Credits	List of Credit	
OrderRows	List of OrderRow	
Actions	List of String	A list of actions possible on the delivery.
Status	String	Payment status for the delivery
Due date	DateTime	Due date for the payment

Credit

Parameter	Type	Description
Amount	Long	Creditted amount. Minor currency.
OrderRows	List of OrderRow	
Actions	List of String	A list of actions possible on the credit.

Task

Parameter	Type	Description
Id	Long	Identifier for the task
Status	String	Status of the task

OrderRow

Parameter	R	RO	Type	Description	Limits
OrderRowId		*	Long	Order row id from underlying system, unique on order.	Not possible to set through API, only get.
ArticleNumber			String	Articlenumber as a string, can contain letters and numbers.	Maximum 256 characters.
Name	*		String	Article name.	1-40 characters.
Quantity	*		Long	Quantity of the product.	1-9 digits. Minor unit.
UnitPrice	*		Long	Price of the product including VAT.	1-13 digits, can be negative. Minor currency.
DiscountPercent			Long	The discountpercent of the product.	0-9900. Minor unit. Is not supported in NewCreditRow
VatPercent	*		Long	The VAT percentage of the current product.	Valid vat percentage, allowed is 0, 600, 1200, 2500. Minor unit
Unit			String	The unit type, e.g., "st", "pc", "kg" etc.	0-4 characters.
IsCancelled		*	Boolean	Determines if the row is cancelled.	Not possible to set through API, only get.

Actions		*	List of String	A list of actions possible on the order row. See list of OrderRow actions below.	Not possible to set through API, only get.
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CreditOrderRow

Parameter	R	RO	Type	Description	Limits
Name	*		String	Credit row name.	1-40 characters.
UnitPrice	*		Long	Credit amount including VAT.	1-13 digits. Minor currency.
VatPercent	*		Long	The VAT percentage of the credit amount.	Valid vat percentage, allowed is 0, 600, 1200, 2500. Minor unit

Address

Parameter	Type	Description
FullName	String	Company: name of the company. Individual: first, middle and last name(s)
StreetAddress	String	Street address
CoAddress	String	Co address
PostalCode	String	Postal code
City	String	City
CountryCode	String	2-letter ISO country code

OrderStatus

Parameter	Description
Open	The order is open and active. This includes partially delivered orders
Delivered	The order is fully delivered
Cancelled	The order is fully cancelled
Failed	The payment for this order has failed
Processing	The order does not have a set Payment Method

PaymentType

Parameter	Description
Invoice	Invoice order
PaymentPlan	PaymentPlan order
AccountCredit	AccountCredit order
Card	Card order
DirectBank	DirectBank order

Order actions

Parameter	Description
CanDeliverOrder	
CanDeliverPartially	
CanCancelOrder	
CanCancelOrderRow	
CanCancelOrderAmount	
CanAddOrderRow	
CanUpdateOrderRow	

Delivery actions

Parameter	Description
CanCreditNewRow	
CanCreditOrderRows	
CanCreditAmount	

OrderRow actions

Parameter	Description
CanDeliverRow	
CanCancelRow	
CanCreditRow	
CanUpdateRow	

Pagination

Parameter	Type	Description
Count	Integer	Number of results in current set
Offset	Integer	Offset used for current result
Total	Integer	Total number of results available for current date query

Rows

Parameter	Type	Description
Value	String	Number of results in current set
Offset	Integer	Offset used for current result
Total	Integer	Total number of results available for current date query

ResultCodes Table

Parameter	Type	Description
200	Success	Request was successful.
201	Created	The order was created successfully. The request has been fulfilled, resulting in the creation of a new resource.
202	Accepted	Request has been accepted and is in progress.
204	No content	The server successfully processed the request and is not returning any content.
302	Found	The order was found.
303	See Other	Task is complete, Location URI in header.
400	Bad Request	The input data was invalid. Validation error.
401	Unauthorized	The request did not contain correct authorization.
403	Forbidden	The request did not contain correct authorization.
404	Not Found	No order with the requested ID was found.

If the returned ResultCode is not present in the above tables please contact SveaWebPay for further information.