

EUROPE WEB SERVICE API 1.4.31

SveaWebPay

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Revisions

2020-03-18 v1.4.31

- Smaller rewrites for better understanding.
- Updated DiscountPercent in OrderRow to Decimal(3,0) and Discount rate in percent (0–100)

2020-03-13 v1.4.30

- Added Peppol to InvoiceDistributionType.

2019-08-08 v1.4.29

- Updated logo

2019-05-28 v1.4.28

- Added GroupReference to CreateOrderEU for Collective invoicing.

2019-04-05 v.1.4.27

- Added RowType to OrderRow

2019-03-28 v.1.4.26

- Added Peppol-id to CreateorderEU and CreateOrder

2018-05-28 v.1.4.25

- Added note about not returning national IDs for finnish clients.

2018-03-19 v.1.4.24

- Added Notes parameter to DeliverInvoiceDetails in DeliverOrderEu

2017-02-20 v.1.4.23

- Changed description for account credit

2016-03-03 v.1.4.22

- Changed NumberOfUnits to Decimal(5,2) as per ResultCode 20028 ErrorMessage
- Changed PricePerUnit, DiscountAmount to Decimal(9,2). (ResultCode 20032 and source indicates Decimal(10,2), but that is not accepted by service.)

2016-02-23 v.1.4.21

- Corrected and clarified the documented behaviour of IndividualIdentity and CompanyIdentity in CreateOrder.

2016-02-22 v.1.4.20

- Corrected documented behaviour of DeliverOrderEu when delivering payment plan orders without any order rows specified (i.e. the only way to do it).

2016-02-04 v.1.4.19

- Adding resultcodes for account credit.
- Smaller rewrites for better understanding.

2016-01-22 v.1.4.18

- Removed GetAccountParamsEu.

2016-01-20 v.1.4.17

- Updated description on OrderRow with vat recommendations.

2016-01-08 v.1.4.16

- Revised GetAccountCreditParamsEu.

2016-01-05 v.1.4.15

- Revised DeliverOrderEu.

2015-12-28 v.1.4.14

- Revised CreateOrderEu. GetAccountCreditParamsEu,

2015-12-21 v.1.4.13

- Added GetAccountCreditParamsEu.
- Added AccountCreditDetails to createOrderEu.

2015-11-12 v.1.4.11

- Added info on InvoiceDistributionType EInvoiceB2B and associated ResultCodes.
- Added some page breaks, regenerated index, references, various grammar corrections.

2015-10-21

- Updated CustomerReference length in CreateOrderEuRequest from 30 to 32

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- Updated ClientOrderNumber length in CreateOrderEuRequest from 30 to 32
 - Updated Locality length in CreateOrderEuRequest from 25 to 20
- 2015-06-02
- Added property PrintType to DeliverInvoiceDetails structure.
 - Updated result code table.
 - Added PendingReasons to CreateOrderResult
- 2015-02-19
- Added information about PublicKey.
 - Clarified that you can't part deliver a payment plan.
- 2015-01-12
- Added Success-code to ResultCodes
- 2014-11-04
- Added PriceIncludingVat to OrderRow
 - Added ResultCode PriceIncludingVatMismatch
- 2014-09-03
- Added ResultCode AuthenticationFailed
- 2014-06-30
- Corrected resultcodes
- 2013-11-12
- Updated resultcodes
- 2013-11-05
- Updated GetAddresses information
- 2013-08-29
- Added method Ping to this document
- 2013-08-16
- Added information about e-mail invoice set-up
- 2013-06-12
- Corrected misspelling
- 2013-05-23
- Corrected error code message
- 2013-02-27
- Added calculation examples for GetPaymentPlanParamsEu
- 2013-02-18
- Marked OrderDate in CreateOrderEu as required.
- 2013-01-29
- Changed descriptions for some NationalId-fields for clarification reasons.
- 2013-01-21
- Updated with new layout.
- 2013-01-11
- Minor clarifications.
- 2012-12-07
- Changed type information
- 2012-11-30
- Added information about the GetAddresses-method.
 - Added information about how AddressSelectors work for Nordic countries.
 - More information about how to correctly populate ClientInformation for different countries.
- 2012-10-15
- Added more ResultCodes.
- 2012-09-28
- Added clarification of how the DeliverOrderEu method works with row matching
- 2012-09-04
- Added OrderDeliveryAddress in CreateOrderInformation
- 2012-08-28
- Added ClientOrderNumber in return object on CreateOrderEu
 - Added InvoiceDeliveryMethod in return object on DeliverOrderEu
- 2012-05-29

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- Added structure information common to all requests and common to all responses
- Added information about new method.
- Updated structure information.
- Moved ResultCode out of BasicResponse

2012-05-16

- Fixed layout issues.
- Minor change to text.

2012-04-02:

- Changed layout.
- Fixed minor errors.
- Cleaned up the documentation.

DRAFT 2012-03-28:

- Removed ClientOrderRowNumber from the CreateOrder interface.

DRAFT 2012-03-27:

- Added documentation for GetPaymentPlanParamsEu.
- Corrected some misspellings and plain errors.

DRAFT 2012-03-26:

- Updated functions to reflect changes in the methods.
- Further documented information about functionality.
- Removed CustomerId from the DeliverOrderResult.

DRAFT 2012-03-22:

- Finished mapping the new data structures.

DRAFT 2012-03-21:

- First version.

Overview

Endpoint:

- Production: <https://webpayws.svea.com/sveawebpay.asmx>
- Test: <https://webpaywsstage.svea.com/sveawebpay.asmx>

WSDL-endpoint

- Production: <https://webpayws.svea.com/sveawebpay.asmx?WSDL>
- Test: <https://webpaywsstage.svea.com/sveawebpay.asmx?WSDL>

This is where you should direct requests to the web service. Requests should be made with soap over http using soap 1.1 with the wrapped document-literal format and with a soap action specified.

For access to test accounts, please contact SveWebPay.

The web service currently supports the following calls:

1. General

- a. CreateOrderEu
- b. DeliverOrderEu
- c. CloseOrderEu

2. Specific method regarding PaymentPlan

- d. GetPaymentPlanParamsEu

3. Retrieving customer addresses

- e. GetAddresses

If you have questions regarding the integration with SveaWebPay please send an email to: support-webpay@sveaekonomi.se

Order rows

If the customer is a company, we highly recommend that you:

- Add order rows where the amount of PricePerUnit and DiscountAmount (if any) is including VAT, together with their appropriate flags PriceIncludingVat and DiscountAmountIncludingVat set to true.

If the customer is an individual we highly recommend that you do the opposite:

- Add order rows where the amount of PricePerUnit and DiscountAmount (if any) is excluding VAT, together with their appropriate flags PriceIncludingVat and DiscountAmountIncludingVat set to false.

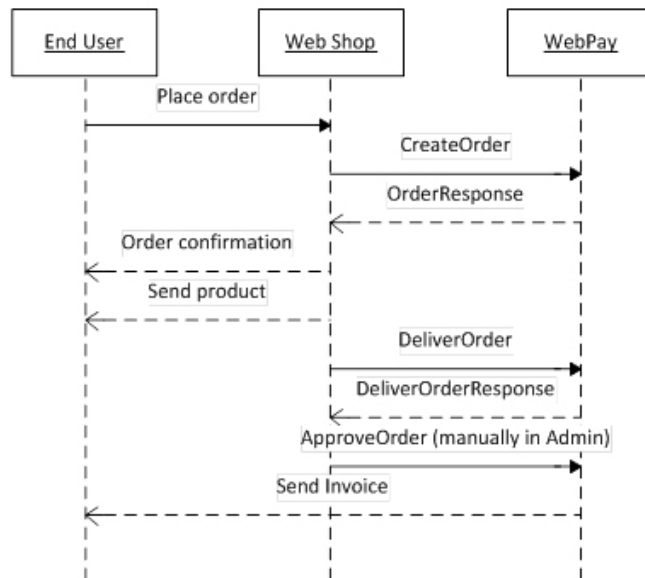
Disclaimer

This documentation is subject to continuous updates. Please make sure you are using the latest version. If you have any questions, please contact support-webpay@svea.com

Order Creation Flowcharts

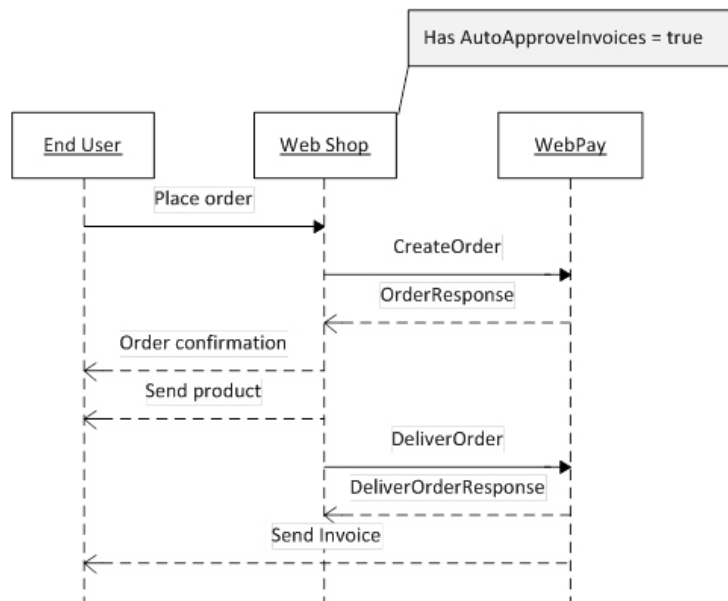
Create and deliver orders

The following chart illustrates the flow when creating an invoice or payment plan order. It also illustrates the flow for delivering it. This is the standard flow that all new clients use when they use SveaWebPay invoices and payment plans. Please note that you manually have to approve the invoice via SveaWebPay Admin before it is delivered to your customer.



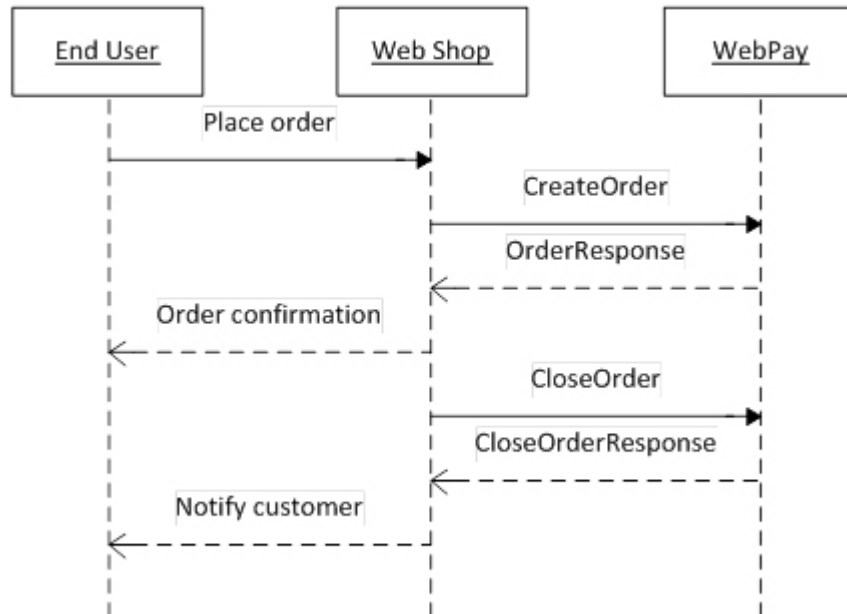
AutoApproveInvoices

The following flow also illustrates the creation and delivering of orders, except that in this case the client has the flag AutoApproveInvoices set to true. This allows the invoice to be delivered directly after a successful call to the method DeliverOrder. Contact SveaWebPay if you want this activated.



Cancel Orders

The following figure shows the flow for cancelling orders.



Methods

Abbreviations and Types used in the description

- *U: Unique*
- *R: Required*
- *Types*
 - *Text: Any plain text. Remember that certain characters (like &) have special meaning in xml and need to be either escaped or encased in a cdata-block*
 - *Integer: Number without decimals. Like 10, 42, -92*
 - *Long: A longer integer.*
 - *Decimal: Decimal number. Like 10.65 or -43.34*
 - *When there is an parentheses in the decimal declaration like Decimal (11,2) means that the field supports 11 significant numbers and 2 decimals.*
 - *The number following text fields like Text (2) means that the maximum length for this field is 2.*

Common to all requests

BasicRequest

Field	U	R	Type	Description
Auth		*	ClientAuthInfo	Log in information

Common to all responses

BasicResponse

Field	U	R	Type	Description
Accepted		*	Boolean	True if the request is accepted, otherwise false.
ErrorMessage			String	When <i>Accepted</i> is false <i>ErrorMessage</i> may contain a message describing the reason of rejection.

CreateOrderEu

This method is used to create either an invoice or a payment plan order. You specify which one to create by setting the OrderType. Please note that to be approved by the service, different order types might require additional objects to be defined.

Defining OrderType as invoice and having a PaymentPlanInformation-structure within the request will result in a failed request.

When you are creating orders for customers which reside in countries without unique SecurityNumbers, you have to identify them by populating as much data about the customer as possible. Then we can do an accurate scoring for them. Please see the segment (Page 28) for more information on how to populate the ClientIdentity-structure.

Note:

When creating a company order for the countries which use SecurityNumber (Nordic countries) other specific customer information in the CustomerIdentity-structure will be disregarded by the service.

We will automatically look up the customer's address based upon the SecurityNumber. If the company has multiple establishments and you don't want the order to be sent to the first found address, you have to specify an AddressSelector in the ClientOrderInformation. Please see the GetAddresses-method (Page 22) for more information.

Input

CreateOrderEuRequest

Field	U	R	Type	Description
CreateOrderInformation		*	CreateOrderInformation	Information about the order to be created

Output

CreateOrderEuResponse

Field	U	R	Type	Description
CreateOrderResult		*	CreateOrderResult	Information about the method result.
ResultCode		*	Integer	See Result Code table (Page 30)

Structures

CreateOrderInformation

Field	U	R	Type	Description
ClientOrderNumber			String(32)	Your reference to the current order.
OrderRows		*	Array of OrderRow	The order rows that the order consists of.
CustomerIdentity		*	CustomerIdentity	Identity of the customer.
OrderDate		*	DateTime	The date the order was placed.
AddressSelector			String	A key which is used to define an address when a customer has more than one address. (Only for SE, NO, DK and FI)
CustomerReference			String(32)	Customer reference. (Gets printed on the invoice.)
OrderDeliveryAddress			Address	If order is to be delivered to an address other than the invoice, enter that address here. Special regulations concerning fraud prevention apply.
OrderType		*	OrderType	Specifying what kind of order it should be.
CreatePaymentPlanDetails			CreatePaymentPlan-Details	Only when OrderType is PaymentPlan
CreateAccountCreditDetails			CreateAccountCredit-Details	Only when OrderType is AccountCredit
PeppolId			String(55)	Identifier for PEPPOL invoices. Format: 4 digits followed by a colon and up to 50 alphanumerical characters. For example 0007: 5620202027
GroupReference			String	Reference used to group collective invoices on. Contact SveaWebPay for more information. (Not needed in a standard integration)

CustomerIdentity

Field	U	R	Type	Description
NationalIdNumber	*		String(12)	Field for entering unique identifiers for customers in certain countries. (Example (SE): Personnummer or Organisationsnummer). Will not be returned for finnish clients.
Email			String(50)	Customer email address
PhoneNumber			String(18)	Customer phone number
IpAddress			String	Customer IP-address
FullName			String(40)	Full name of the customer. Contains either first name + family name or company name.
Street			String(40)	Customer street address
CoAddress			String(40)	Customer co-address.
ZipCode			String(5)	The complete Customer zip code.
HouseNumber			String	House number (only applicable in certain countries, see specification at the end of this document)

Locality			String(20)	Town of residence.
CountryCode		*	String(2)	A country code which defines where the customer is residing. (Page 27.)
CustomerType		*	CustomerType	See Enumeration (Page 16.)
PublicKey			String	Identifier for selecting a specific pre-approved address. (Not needed in a standard integration)
IndividualIdentity			IndividualIdentity	Required for DE and NL when CustomerType is Individual
CompanyIdentity			CompanyIdentity	Required for DE and NL when CustomerType is Company

IndividualIdentity

Field	U	R	Type	Description
FirstName		*	String	
LastName		*	String	
Initials			String	Only used in NL, "voorletters"
BirthDate		*	String	Person date of birth in format YYYYMMDD.

CompanyIdentity

Field	U	R	Type	Description
CompanyIdentification			String	Not in use.
CompanyVATNumber		*	String	Company VAT number

CreatePaymentPlanDetails

Field	U	R	Type	Description
CampaignCode			Integer	Payment plan identifier. For more information, contact SveaWebPay.
CoCustomerIdentity			CustomerIdentity	Not in use.
SendAutomaticGiroPaymentForm		*	Boolean	Should an autogiro-form be sent with the first notification.
FixedMonthlyAmount			Nullable of Decimal	Not in use.

CreateAccountCreditDetails

Field	U	R	Type	Description
CampaignCode			Nullable Long	AccountCredit campaign identifier.

CreateOrderResult

Field	U	R	Type	Description
SveaOrderId	*	*	Long	Unique Id for the created order. Used for any further webservice requests.
SveaWillBuyOrder		*	Boolean	Describes whether SveaWebPay will buy the order or just administrate it.
Amount		*	Decimal	The approved order amount.
CustomerIdentity			CustomerIdentity	Shipping address.
ExpirationDate			DateTime	Order expiration date. If the order isn't delivered before this date the order is automatically closed and it can not be delivered.
ClientOrderNumber			String(32)	Your reference to the current order.
PendingReasons			List<String>	Is set and contains identifiers if order is

				pending
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Enumerations

CustomerType

Individual
Company

DeliverOrderEu

DeliverOrder updates the order with additional information and prepares it for delivery. Like the CreateOrderEu method, this method requires some information that is specific to the specified OrderType.

Note: Even though you have used this method to deliver the order, the resulting invoice/contract might still not be sent out. You may need to log into SveaWebPay Admin and approve the delivery first. It is possible to activate automatic approval. Please contact SveaWebPay if you want this functionality activated.

Specific information about Invoice and AccountCredit: According to the following rules, the method will automatically match all order rows that were sent in the DeliverOrderEu request with those who are to be delivered to the order rows that were sent in CreateOrderEu:

- In case “new rows” that do not match any rows in the original order have been added, undelivered rows from the original order that do not match with new rows will be cancelled. Any rows in the deliver request that do not match the original order rows will still be delivered, as long as the total amount of all delivered rows (in this and previous delivery requests) don’t exceed the total amount of the original order rows.
- In case no “new rows” have been added, but only a subset of of the original order rows are present in the DeliverOrderEu request, the order will be partially delivered and the matching order rows will be delivered. Any original order rows not present will remain undelivered.

Payment plan specific information: You can not partially deliver paymentplans. All order rows as currently held by Svea will be delivered when the request is made. (The original order rows may have been changed since the original CreateOrderEu request was made by means of the Svea Admin interface, or by requests made to the SveaWebpay Administration Service API.)

Input

DeliverOrderEuRequest

Field	U	R	Type	Description
DeliverOrderInformation		*	DeliverOrderInformation	

Output

DeliverOrderEuResponse

Field	U	R	Type	Description
DeliverOrderResult			DeliverOrderResult	
ResultCode		*	Integer	See Result Code table (Page 30)

Structures

DeliverOrderResult

Field	U	R	Type	Description
Amount			Decimal	The sum of the request order rows.
OrderType			OrderType	See Enumeration. (Page 27)
InvoiceResultDetails			InvoiceResultDetails	Information about the created invoice. (Page 27)
PaymentPlanResultDetails			PaymentPlanResultDetails	Information about the created payment plan. (Page 27)
AccountCreditResultDetails			AccountcreditResultDetails	Information about the created account credit. (Page 27)

DeliverOrderInformation

Field	U	R	Type	Description
SveaOrderId	*	*	Long	Id for the order to deliver
OrderType			OrderType	See Enumeration. (Page 27)
DeliverInvoiceDetails			DeliverInvoiceDetails	Required for invoice orders. <i>Information entered in this structure will only affect invoice orders.</i>
DeliverAccountCreditDetails			DeliverAccountCreditDetails	Required for account credit orders. <i>Information entered in this structure will only affect account credit orders.</i>

DeliverInvoiceDetails

Field	U	R	Type	Description
NumberOfCreditDays			Integer	Number of credit days. More credit days than client defined is ignored.
InvoiceDistributionType		*	InvoiceDistributionType	See Enumeration (Page 18)
IsCreditInvoice		*	Boolean	True if this should be a credit invoice.
InvoiceIdToCredit	*		Long	Reference to invoice to credit. Only used if IsCreditInvoice is true.
OrderRows			Array of OrderRow	Order rows to deliver.
PrintType			Integer	Integer specifying the print setting for the current order. When set it will override any print settings for the client. Possible values: 0 – Svea prints 1 – Client prints
Notes			String(200)	Notes that will be appear on the invoice. If not supplied (or null), the order's Notes will be used instead.

DeliverAccountCreditDetails

Field	U	R	Type	Description
OrderRows			Array of OrderRow	Order rows to deliver.

Enumerations

InvoiceDistributionType

Post	Invoice is sent by mail.
Email	Invoice is sent by email. <i>For this to work it requires that the client contacts SveaWebPay for correct set-up to be done in SveaWebPay systems before use by the client. Please contact SveaWebPay at support-webpay@sveaekonomi.se for set-up.</i>
EInvoiceB2B	E-invoice, presently only valid for Norway
Peppol	Invoice is sent by Peppol

CloseOrderEu

Use this function when you want to cancel an order. Please note that you can only cancel undelivered orders. When an invoice or a payment plan is created from the order it is no longer possible to cancel the order with this method.

Input

CloseOrderEuRequest

Field	U	R	Type	Description
CloseOrderInformation		*	CloseOrderInformation	

Output

CloseOrderEuResponse

Field	U	R	Type	Description
CreateOrderResult			CreateOrderResult	
ResultCode		*	Integer	See Result Code table (Page 30)

Structures

CloseOrderInformation

Field	U	R	Type	Description
SveaOrderID		*	Long	

CloseOrderResult

Field	U	R	Type	Description
See BasicResponse (Page 12)				

GetPaymentPlanParamsEu

This method retrieves information about all the campaigns that are associated with the current ClientId. Use this information to display information about the possible payment plan options to customers. The returned CampaignCode is used when creating a payment plan.

Input

GetPaymentPlanParamsEuRequest

Field	U	R	Type	Description
Empty				Intentionally left empty

Output

GetPaymentPlanParamsEuResponse

Field	U	R	Type	Description
CampaignCodes		*	Array of CampaignCodeInfo	
ResultCode		*	Integer	See Result Code table (Page 30)

Structures

CampaignCodeInfo

Field	U	R	Type	Description
CampaignCode		*	Long	Unique id for this campaign.
Description			String	Short description of the campaign.
PaymentPlanType			PaymentPlanTypeCode	Enumeration defining what kind of campaign it is.
ContractLengthInMonths			Integer	Total length of campaign.
MonthlyAnnuityFactor			Decimal	How much of the total sum is to be payed each payment.
InitialFee			Decimal	Starting fee.
NotificationFee			Decimal	Recurring fee for each payment.
InterestRatePercent			Decimal	Payment plan interest.
NumberOfInterestFreeMonths			Integer	Number of months before interest is added onto the payment plan.
NumberOfPaymentFreeMonths			Integer	Number of months before first payment.
FromAmount			Decimal	Lowest amount campaign is valid for.
ToAmount			Decimal	Highest amount campaign is valid for.

PaymentPlanTypeCode

Type	Description
Standard	A standard payment plan.
InterestFree	An interest free payment plan.
InterestFreeAndAmortizationFree	A payment plan where there is an initial payment and an interest free period.

GetAccountCreditParamsEu

Input

GetAccountCreditParamsEuRequest

Field	U	R	Type	Description
Empty				Intentionally left empty

Output

GetAccountCreditParamsEuResponse

Field	U	R	Type	Description
AccountCreditCampaignCodes			Array of AccountCreditCampaignCodeInfo	
ResultCode			Integer	See Result Code table (Page 30)

Structures

AccountCreditCampaignCodeInfo

Field	U	R	Type	Description
CampaignCode		*	Long	Unique id for this campaign
Description			String	Short description of the campaign
InitialFee			Decimal	Fee for placing account credit order
LowestAmountToPayPerMonth			Decimal	Minimum amount invoiced for this account credit campaign code
LowestPercentToPayPerMonth			Decimal	Minimum percent invoiced for this account credit campaign code
LowestOrderAmount			Decimal	Lowest order amount to enable an account credit order to be placed
InterestRatePercent			Decimal	Interest rate in percent
NotificationFee			Decimal	Recurring fee for each payment

Note: For any given order the hypothetical minimum amount to pay per month that should be presented to the customer, is the largest of either `LowestAmountToPayPerMonth` or `LowestPercentToPayPerMonth` times the order total, given that the order total also equals or exceeds `LowestOrderAmount`.

Note: The total account credit amount that will be invoiced each month is based not on a single order but on the total outstanding account credit for this customer and client (see basic request structure). That is, the invoiced amount will be based on the sum of all outstanding account credit purchases for this customer and client.

GetPaymentPlanContractDetailsEu

This method calculates the details about a payment plan based on customer's choice. Note: this does not create a payment plan in SveaWebPay system.

Input

GetPaymentPlanContractDetailsEuRequest

Field	U	R	Type	Description
OrderRows		*	Array of OrderRow	The order rows that the payment plan order consists of. See general structures (Page 25)
MonthlyAmount		*	Decimal	The amount the customer wishes to pay every month.

Output

GetPaymentPlanContractDetailsEuResponse

Field	U	R	Type	Description
ContractLengthInMonths		*	Integer	
MonthlyAmount		*	Decimal	The amount the customer wishes to pay every month.
Amount		*	Decimal	Total amount we calculated from order rows in request.
InitialFee		*	Decimal	
ResultCode		*	Integer	See Result Code table (Page 30)

GetAddresses

If a customer has multiple addresses or you just want to show the address which the invoice / product is to be delivered to, you can use this method. It returns an array with all the associated addresses for a specific SecurityNumber.

Each address gets an "AddressSelector"-hash to signify the address. This can be sent into a CreateOrderEu request to have the invoice be sent to the specified address. Otherwise, the order will be created and invoices be sent to the first address we find for the requested SecurityNumber.

Note: This method is only applicable for Sweden, Norway and Denmark (SE, NO & DK). In Norway, only companies are allowed.

RejectionCode	Description
Accepted	Address(es) found.
NoSuchEntity	Could not find an entity for the specified SecurityNumber.

Input

GetCustomerAddressesRequest

Field	U	O	Type	Description
IsCompany		*	Boolean	True for company; False for private consumer.
CountryCode		*	String(2)	See CountryCode-enumeration for valid values.
SecurityNumber	*	*	String(12)	Customer SecurityNumber.

Output

GetCustomerAddressesResponse

Field	U	O	Type	Description
RejectionCode		*	Enumeration	<ul style="list-style-type: none"> Error Accepted NoSuchEntity
Addresses		*	Array of CustomerAddress	Structure containing information about the found addresses.

Structures

CustomerAddress

Field	U	O	Type	Description
LegalName		*	String(60)	Full name of the customer.
SecurityNumber	*		String(12)	SSN or company organization number. Will not be returned for finnish clients.
AddressLine1		*	String(40)	C/O Address.
AddressLine2		*	String(40)	StreetAddress
Postcode		*	Integer(5)	Post code.
Postarea		*	String(25)	Post area.
BusinessType		*	Enumeration	<ul style="list-style-type: none"> Person Business Unknown GovernmentalOrganization Organization
AddressSelector	*		String	Unique address identifier.
FirstName			String	Customer first name.
LastName			String	Customer last name.

Ping

Ping returns a predefined value. This function is used to verify connection to this service.

Input

Field	U	O	Type	Description
No input parameters are necessary.				

Output

Field	U	O	Type	Description
PingResult			String	This value is predefined and is ACK.

General Structures

InvoiceResultDetails

Field	U	R	Type	Description
InvoiceId		*	Long	
DueDate		*	DateTime	Due date for the invoice; when SveaWebPay wants the invoice to be payed.
InvoiceDate		*	DateTime	Date when the invoice is created in Svea's system. Due date is InvoiceDate + Credit days.
InvoiceDistributionType		*	InvoiceDistributionType	See Enumeration (Page 18)

PaymentPlanResultDetails

Field	U	R	Type	Description
ContractNumber	*	*	Long	

AccountCreditResultDetails

Field	U	R	Type	Description
ContractNumber	*	*	Long	
AccountCreditId	*	*	Long	Id for the created account credit. This is unique to the client.

OrderRow

Field	U	R	Type	Description
ArticleNumber			String(10)	Article number of the product
Description			String(40)	Description of the product.
PricePerUnit		*	Decimal(9,2)	Price per product unit, default is excluding tax. To create a "discount row", enter a negative amount. To add a line of text, enter amount 0.

PriceIncludingVAT			Nullable of Boolean	If true, PricePerUnit will be considered as including tax. True is recommended if the costumer is an individual, and false if the costumer is a company.
NumberOfUnits		*	Decimal(5,2)	
Unit			String(3)	Short description of unit. I.e. "ea."
VATPercent		*	Decimal(2,0)	Tax rate in percent (0–99)
DiscountPercent		*	Decimal(3,0)	Discount rate in percent (0–100)
DiscountAmount			Nullable<Decimal(10,2)>	If any, the amount will be deducted from the orderrow's amount.
DiscountAmountIncludingVAT			Nullable<Boolean>	If true, the discount amount will be deducted after VAT is added (use for individual end-customers). If false, the discount amount will be deducted before VAT is added (use for business end-customers).
TemporaryReference			String	Can be used to reference to a row identifier on the clients side
RowType			RowType	See enumerations

ClientAuthInfo

Field	U	R	Type	Description
ClientNumber		*	Integer(7)	Client number. Assigned to you by Svea.
Username		*	String(80)	Username. Assigned to you by Svea.

Password		*	String(50)	Password. Assigned to you by Svea.
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General Enumerations

OrderType

Invoice
PaymentPlan
AccountCredit

Supported country codes

Country Name	CountryCode
Sweden	SE
Norway	NO
Finland	FI
Denmark	DK
Netherlands	NL
Germany	DE

RowType

GiftCard

Country specific required customer identifiers.

Since we support a variety of countries which have different ways of identifying companies and private individuals, we require different input parameters to be able to check history of the customer.

Notes:

Please note that all countries that are mentioned in this table may not be supported by the current implementation of the service. Please see the Supported country codes-table for supported countries.

The following is a table of which are required for different countries. Please note that as much information as possible is appreciated but not necessary, beyond the fields specified below.

Sweden (SE)

Field	Customer Type	Description
NationalId	Private	Personnummer
NationalId	Company	Organisationsnummer

Norway (NO)

Field	Customer Type	Description
NationalId	Private	Personal number
NationalId	Company	Organisationsnummer

Denmark (DK)

Field	Customer Type	Description
NationalId	Private	CPR
NationalId	Company	CVR

Finland (FI)

Field	Customer Type	Description
NationalId	Private	Henkilötunnus
NationalId	Company	Yritystunnus

Germany(DE)

Field	Customer Type	Description
BirthDate	Private	YYYYMMDD
FirstName	Private	
LastName	Private	
HouseNumber	Both	
ZipCode	Both	
Street	Both	
Locality	Both	
FullName	Both	
VatNumber	Company	

Netherlands(NL)

Field	Customer Type	Description
BirthDate	Private	YYYYMMDD
Initials	Private	Voorletters
FirstName	Private	
LastName	Private	
HouseNumber	Both	
ZipCode	Both	
Street	Both	
Locality	Both	
FullName	Both	
VatNumber	Company	

ResultCodes Table

Result code categories

Values:	Type:
10XXX	Authentication
20XXX	Order
24XXX	Invoice
245XX	Credit Invoice
27XXX	Payment Plan
3XXXX	Customer Rejection
4XXXX	Customer Identification
5XXXX	Request Validation
7XXXX	Account credit

Success

Value	Description
0	The operation was successful

Authentication

Value	Description
10000	Client authentication failed

Order

Value	Description
20000	Order is closed.
20001	Order is denied.
20002	Something is wrong with the order.
20003	Order has expired.
20004	Order does not exist.
20005	OrderType mismatch.
20006	The sum of all order rows cannot be zero or negative.
20013	Order is pending
20014	OrderAlternateDeliveryAddressNotAllowed
20019	ClientOrderNumberAlreadyExists
20021	NoOrderRows
20023	DiscountPercentNotAllowed
20024	InvalidVatPercent

Invoice

Value	Description
24000	Invoice amount exceeds the authorized amount.

Credit Invoice

Value	Description
24500	The invoice to credit does not exist.
24501	The invoice to credit does not belong to this order.
24502	Credit amount exceeds invoiced amount.
24503	The invoice to credit is not approved.

PaymentPlan

Value	Description
27000	The provided campaigncode-amount combination does not match any campaign code attached to this client.
27001	Can not deliver order since the specified pdf template is missing. Contact SveaWebPay's support.
27002	Can not partial deliver a PaymentPlan.
27003	Can not mix CampaignCode with a fixed Monthly Amount.
27004	Can not find a suitable CampaignCode for the Monthly Amount.

Credit Information

Value	Description
30000	The credit report was rejected.
30001	The customer is blocked or has shown strange or unusual behavior.
30002	Based upon the performed credit check the request was rejected.
30003	Customer cannot be found by credit check.
30004	The Customer's credit limit has been reached

Customer Identification

Value	Description
40000	No customer found.
40001	The provided CountryCode is not supported.
40002	Invalid Customer information
40003	Invalid Co-Customer information
40004	Could not find any addresses for this customer.
40005	CustomerIsNotPreApproved

Request Validation

Value	Description
50000	Client is not authorized for this method.
50001	OrderType is required.
50002	AddressSelector is not valid for this CountryCode.
50003	CreatePaymentPlanDetails must be null when OrderType is Invoice.
50004	CreatePaymentPlanDetails must not be null when OrderType is PaymentPlan.
50005	Missing Identification Value.
50006	No order amount limits exists for this client.
50007	Invalid applicant CountryCode.
50008	InvoiceDistributionType is required.
50009	DeliverInvoiceDetails must not be null.
50010	InvoiceToCredit must be null.
50011	InvoiceToCredit must not be null.
50012	OrderInformation is required.
50013	CustomerIdentity is required.
50014	Invalid input value. See ErrorMessage for description.
50015	The specified OrderType is invalid.
50016	The order does not belong to this client.

50017	Missing applicant CountryCode.
50018	The OrderDate is invalid.
50019	An Individual-type CustomerIdentity cannot have a CompanyIdentity-structure.
50020	A Company-type CustomerIdentity cannot have an IndividualIdentity-structure.
50021	IndividualIdentity must be null for Individuals for this country.
50022	CompanyIdentity must be null for Companies for this country.
50023	The provided AddressSelector is invalid.
50024	AddressProvider is not supported for this CustomerType.
50025	The zip code is not valid for this country.
50028	CloseOrderInformationIsRequired
50029	AddressInformationIsRequired
50030	InvalidCountryCodeGetAddresses
50031	ZipCodeShouldBeNullForCompanies
50032	InvalidVatAmount
50036	PriceIncludingVat mismatch
50037	The provided print type is not valid
50038	The provided DistributionType is not valid.
50039	The provided DistributionType is not valid for the client country.
50050	Partial delivery is only allowed for Payment plan and Invoice.

Account credit

Value	Description
70000	Account credit does not exist.
70001	Unable to find a campaign.
70002	The sum of the order is lower than the minimum allowed for account credit orders.
70003	Unable to find an account credit campaign with the given campaign code.
70004	Cannot cancel account credit.
70005	AccountCreditsToRetrieve must contain at least one entry.
70006	Account credit amount exceeds the authorized orders amount.

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

Request examples

Please note that all examples have attached xml-documents. If you have lost the example files, please contact SveaWebPay, and they will send them to you

Invoice

This section describes how to create, as well as deliver, an invoice with our methods.

Begin with doing an CreateOrder request with OrderType = Invoice. When you get a successful response from the web service you should save the SveaOrderId for further use.

When you have created your order you can turn it into a real invoice and deliver it to the customer via the DeliverOrderEu-method.

PaymentPlan

This section describes how to create, as well as deliver, a payment plan with our methods.

33 (34) Europe Web Service 1.4.31

Begin with doing an `CreateOrder` request with `OrderType = PaymentPlan`. When you get a successful response from the web service you should save the `SveaOrderId` for further use.

When you have created your order you can now turn it into a payment plan and deliver it to the customer via the `DeliverOrderEu`-method.

CloseOrder

To close an order just call `CloseOrderEu` with the `SveaOrderId` of the order that you want to close.

Calculation examples

Using of GetPaymentPlanParamsEu instead of GetPaymentPlanOptions

The advantage of using GetPaymentPlanParamsEu instead of using GetPaymentPlanOptions, is that there won't be any calculations done at SveaWebPay which speed up the page where the call is executed.

Example:

You have a product that costs 129 SEK and wants to show a small box where the customer can see the minimum amount to pay per month.

- Run a GetPaymentPlanParamsEu-request and get the values.
- Start with sorting out the possible payment plans by comparing the product prize with FromAmount and ToAmount.
- In this case this is the only valid CampaignCode.

```
<CampaignCodeInfo>
<CampaignCode>999999</ CampaignCode >
<Description>Dela upp betalningen på 24 månader</Description>
<PaymentPlanType>Standard</PaymentPlanType>
<ContractLengthInMonths>24</ContractLengthInMonths>
<MonthlyAnnuityFactor>0.050020791054524637</MonthlyAnnuityFactor>
<InitialFee>0</InitialFee>
<NotificationFee>29</NotificationFee>
<InterestRatePercent>18.2</InterestRatePercent>
<NrOfInterestFreeMonths>0</NrOfInterestFreeMonths>
<NrOfPaymentFreeMonths>0</NrOfPaymentFreeMonths>
<FromAmount>1</FromAmount>
<ToAmount>30000</ToAmount>
</ CampaignCodeInfo >
```

The lowest amount to pay then becomes $129 * 0.05... + 29 = 35,45$ round upwards -> 36 SEK per month.. ($ProductPrice * MonthlyAnnuityFactor + NotificationFee$)

To retrieve the total amount to pay, calculate like this:

$InitialFee + (ProductPrice * MonthlyAnnuityFactor + NotificationFee) * ContractLengthInMonths$.

Which in this case becomes: $0 + Round(129 * 0.05 + 29) * 24 \Rightarrow 36 * 24 = 864$.