

Paymentgateway Documentation

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1. Postform configuration

1.1 Postform arguments

Conventions

X	Mandatory
?	Optional
%	N/A
CC	Credit card
eDK	eDankort
3Ds	3Dsecure

Postform description

Field	Arguments	Type	Description	CC	eDK	3Ds	NB
shopid		int(?)	A numeric id, to identify the postform. The shopid is located in the order confirmation mail.	X	X	X	X
currency		int(3)	Define currency for the specific transaction. Use a numeric value from ISO 4217. If this field is empty, the gateway will use default value.	?	?	?	X
amount		int(?)	Specify an amount for this transaction. Remember to use minor unit. (øre)	X	X	X	X
orderid		int(19)	Orderid for the specific transaction.	X	X	X	X
orderidprefix		char(4)	Ordreidprefix is a way to append a prefix to the orderid.	?	?	?	?
paytype	credit card edankort netbank 3dsecure	char(10)	Assign one of the following arguments, to define the type of transaction.	X	X	X	X

bankname	DanskeBank	char(10)	NetBank authorizations	%	%	%	X
bankMerchantID		char(?)	Bank Merchant ID	%	%	%	X
cardtype	DK V-DK VISA(DK) MC(DK) MC MSC(DK) MSC DINERS(DK) DINERS AMEX(DK) AMEX VISA JCB FBF Q8-LIC	char(76)	With cardtype it's possible to look out types of payment methods. This is useful to calculate the fee for a specific payment. Remember that this list is a white list. Separate values with decimal point.	?	?	?	%
authtype	auth subscribe	char(9)	Authtype define how a transaction is handled. It can be made as subscribe or as a plain authentication.	?	%	%	%
checkmd5		char(?)	Use "checkmd5" to ensure that the postform is unchanged while the transactions are processing. See "appendix a" for more details.	?	?	?	%
uniqorderid	true false	char(5)	Use this to ensure that only unique orderid are used.	?	?	?	%
cardnum		int(19)	Credit card number	X	%	X	%
emonth		int(2)	Expire month ex. (05)	X	%	X	%
eyear		int(2)	Expire year ex. (07)	X	%	X	%
cvc		int(3)	Credit card verification number	X	%	X	%
accepturl		char(?)	The url where the customer is redirected to, when a successful transaction	?	?	?	?

			was made. This option will override the accepturl defined in the web-interface				
declineurl		char(?)	The url where the customer is redirected to, when a transaction was declined. This option will override the declineurl defined in the web-interface	?	?	?	?
statusurl		char(?)	When using netbank payment, it's possible to define a call- back URL. This call-back request will be made from the bank, to ensure that the transaction was successful made.	%	%	%	?

1.2 Credit card authentication example

```
1 <form method="post" action="https://betaling.wannafind.dk/auth.php">
2   <input type="hidden" name="shopid" value="SHOPID">
3   <input type="hidden" name="currency" value="CURRENCY (DKK 208)">
4   <input type="hidden" name="amount" value="AMOUNT">
5   <input type="hidden" name="orderid" value="ORDERID">
6   <input type="hidden" name="paytype" value="creditcard">
7   <input type="hidden" name="uniqorderid" value="TRUE / FALSE">
8
9   <input type="hidden" name="accepturl" value="ACCEPTURL">
10  <input type="hidden" name="declineurl" value="DECLINEURL">
11
12  <input type="text" name="cardnum" size="25">
13  <input type="text" name="emonth" size="2">
14  <input type="text" name="eyear" size="2">
15  <input type="text" name="cvc" size="3">
16
17  <input type="submit" name="submit" value="Payment">
18 </form>
```

We recommend disabling the submit button, after the customer has submitted the form.

This can be done by replacing this first line in the example with the one below. Remember to name your submit button as "submit".

```
<form method="post" action="
https://betaling.wannafind.dk/auth.php "
onSubmit="submit.disabled = true">
```

This form has to be displayed as an SSL (HTTPS) connection.

1.3 eDankort authentication example

```
1 <form method="post" action="https://betaling.wannafind.dk/auth.php">
2   <input type="hidden" name="shopid" value="SHOPID">
3   <input type="hidden" name="currency" value="CURRENCY (DKK 208)">
4   <input type="hidden" name="amount" value="AMOUNT">
5   <input type="hidden" name="orderid" value="ORDERID">
6   <input type="hidden" name="paytype" value="edankort">
7   <input type="hidden" name="uniqorderid" value="TRUE / FALSE">
8
9   <input type="hidden" name="accepturl" value="ACCEPTURL">
10  <input type="hidden" name="declineurl" value="DECLINEURL">
11
12  <input type="submit" name="submit" value="Payment">
13 </form>
```

We recommend disabling the submit button, after the customer has submitted the form.

This can be done by replacing this first line in the example with the one below. Remember to name your submit button as "submit".

```
<form method="post" action="
https://betaling.wannafind.dk/auth.php "
onSubmit="submit.disabled = true">
```

When performing an edankort authentication, there is no need to have any input fields. When the customer has pressed the button, he/her will automatically redirect to the netbank for authentication. **Remember that it's only possible to test in production mode.**

This form has to be displayed as an SSL (HTTPS) connection.

1.4 3D Secure authentication example

```
1 <form method="post" action="https://betaling.wannafind.dk/auth.php">
2   <input type="hidden" name="shopid" value="SHOPID">
3   <input type="hidden" name="currency" value="CURRENCY ( DKK 208 )">
4   <input type="hidden" name="amount" value="AMOUNT">
5   <input type="hidden" name="orderid" value="ORDERID">
6   <input type="hidden" name="paytype" value="3dsecure">
7   <input type="hidden" name="uniqorderid" value="TRUE / FALSE">
8
9   <input type="hidden" name="accepturl" value="ACCEPTURL">
10  <input type="hidden" name="declineurl" value="DECLINEURL">
11
12  <input type="text" name="cardnum" size="25">
13  <input type="text" name="emonth" size="2">
14  <input type="text" name="eyear" size="2">
15  <input type="text" name="cvc" size="3">
16
17
18  <input type="submit" name="submit" value="Payment">
19 </form>
```

We recommend disabling the submit button, after the customer has submitted the form.

This can be done by replacing this first line in the example with the one below. Remember to name your submit button as "submit".

```
<form method="post" action="
https://betaling.wannafind.dk/auth.php "
onSubmit="submit.disabled = true">
```

When performing a 3Dsecure authentication, the customer has to fill in the card number, expire month, expire year and CVC. After the customer has pressed the button he/her will automatically redirect to the netbank for authentication.

Remember that it's only possible to test in production mode.

This form has to be displayed as an SSL (HTTPS) connection.

1.5 NetBank authentication example

```
1 <form method="post" action="https://betaling.wannafind.dk/auth.php">
2   <input type="hidden" name="shopid" value="SHOPID">
3   <input type="hidden" name="currency" value="CURRENCY ( DKK 208 )">
4   <input type="hidden" name="amount" value="AMOUNT">
5   <input type="hidden" name="orderid" value="ORDERID">
6   <input type="hidden" name="paytype" value="netbank">
7   <input type="hidden" name="bankname" value="BankName">
8   <input type="hidden" name="bankMerchantID" value="BankMerchantID">
9
10  <input type="hidden" name="accepturl" value="ACCEPTURL">
11  <input type="hidden" name="declineurl" value="DECLINEURL">
12  <input type="hidden" name="statusurl" value="STATUSURL">
13
14
15  <input type="submit" name="submit" value="Payment">
16 </form>
17
```

We recommend disabling the submit, after the customer has submitted the form.

This can be done by replacing this first line in the example with the one below. Remember to name your submit button as "submit".

NetBank authentications is only avlable thrue business online login.

```
<form method="post" action="
https://betaling.wannafind.dk/auth.php "
onSubmit="submit.disabled = true">
```

When performing a netbank transaction, after the customer has pressed the button he/her will automatically redirect to the netbank for authentication.

Remember that it's only possible to test in production mode.

This form has to be displayed as an SSL (HTTPS) connection.

1.6 Accept and decline return parameters

Following GET parameters is returned together with the accepturl.

Felt	Parameteres		
transacknum	An unique id which is used, to identify the transaction. The id will be available at the account balance.		
orderid	Orderid provided when the authentication was requested		
amount	Amount returned in minor unit		
currency	Currency returned as numeric format. ISO 4217		
cardtype	Prefix	Cardname	Country
	DK	Dankort	Danish
	V-DK	Visa Dankort	Danish
	VISA(DK)	Visa Electron	Danish
	MC(DK)	Euro/Mastercard	Danish
	MC	Euro/Mastercard	Foreign
	DK	Dankort	Danish
	MSC(DK)	Maestro	Danish
	MSC	Maestro	Foreign
	DINERS(DK)	Diners club	Dansk
	DINERS	Diners club	Foreign
	AMEX(DK)	American Express	Danish
	AMEX	American Express	Foreign
	VISA	Visa	Foreign
	EDK	eDankort	Danish
	JCB	JCB	Foreign
	FBF	Forbrugsforeningen	Danish
	Q8-LIC	Q8-LIC	Danish
	DanskeBank	Danske Bank	Danish
	N/A	Ukendt	Unknown
actioncode	A numeric value, which refers to the Action Code list		

Following GET parameters is returned together with the declineurl.

Felt	Parameteres
orderid	Orderid is provided when the an authentication is requested
actioncode	A numeric value, witch referer to Action Code list

1.7 Using SSL-Proxy

The payment form has to be displayed through SSL (HTTPS). We provide an SSL-Proxy within the paymentgateway product, if the shop doesn't have its own SSL certificate.

To allow a specific domain through the SSL-Proxy, it first has to be allowed in the access list. The access list is located in the paymentgate webinterface under "Indstillinger / Settings"

Realizing the payment form through SSL, is done by pasting the payment form URL in front of the SSL-Proxy URL.

Example:

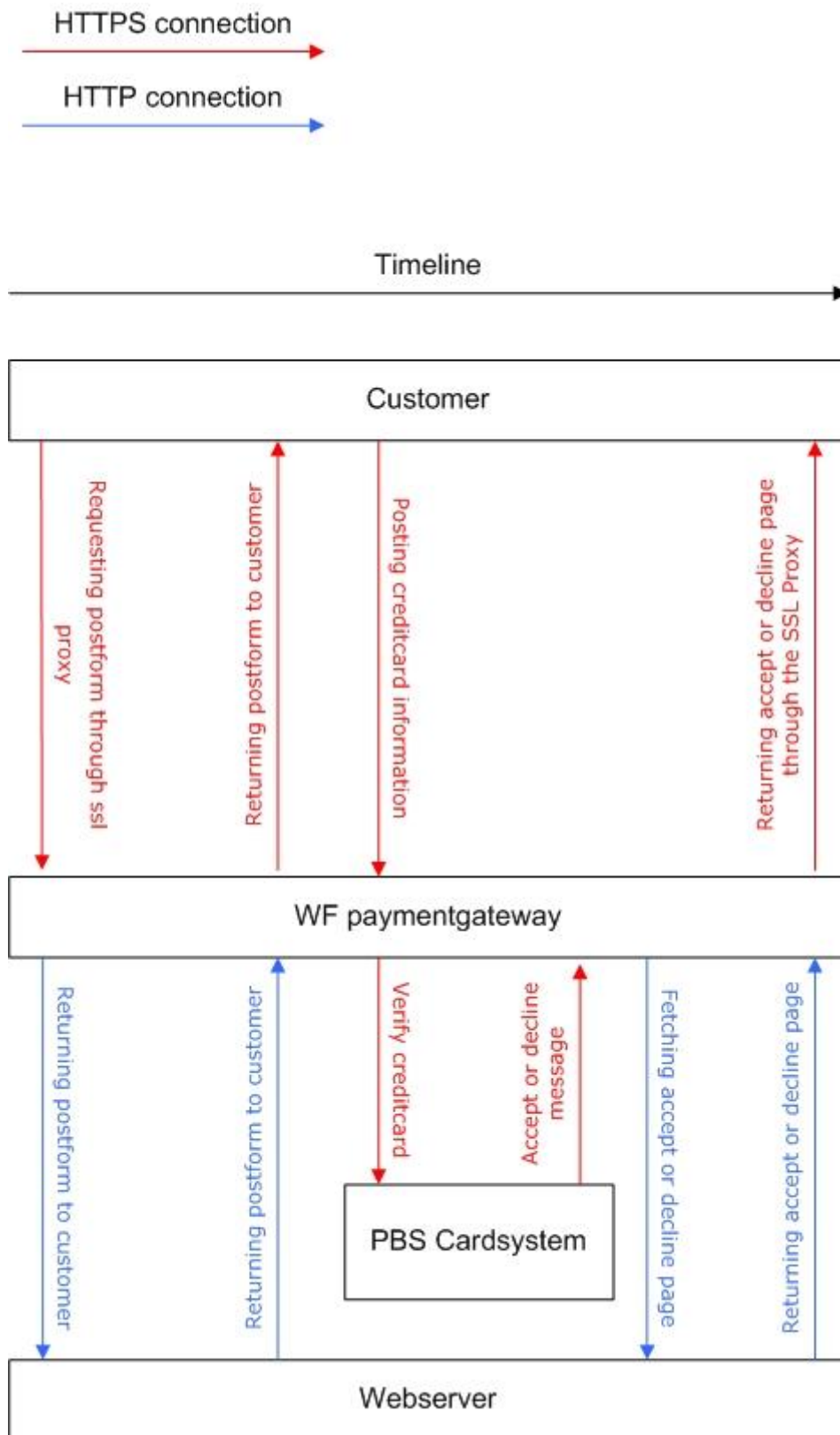
SSL-Proxy URL: <https://betaling.wannafind.dk/proxy/p.php/>

Webshop URL: <http://www.webshop.dk/payform.html>

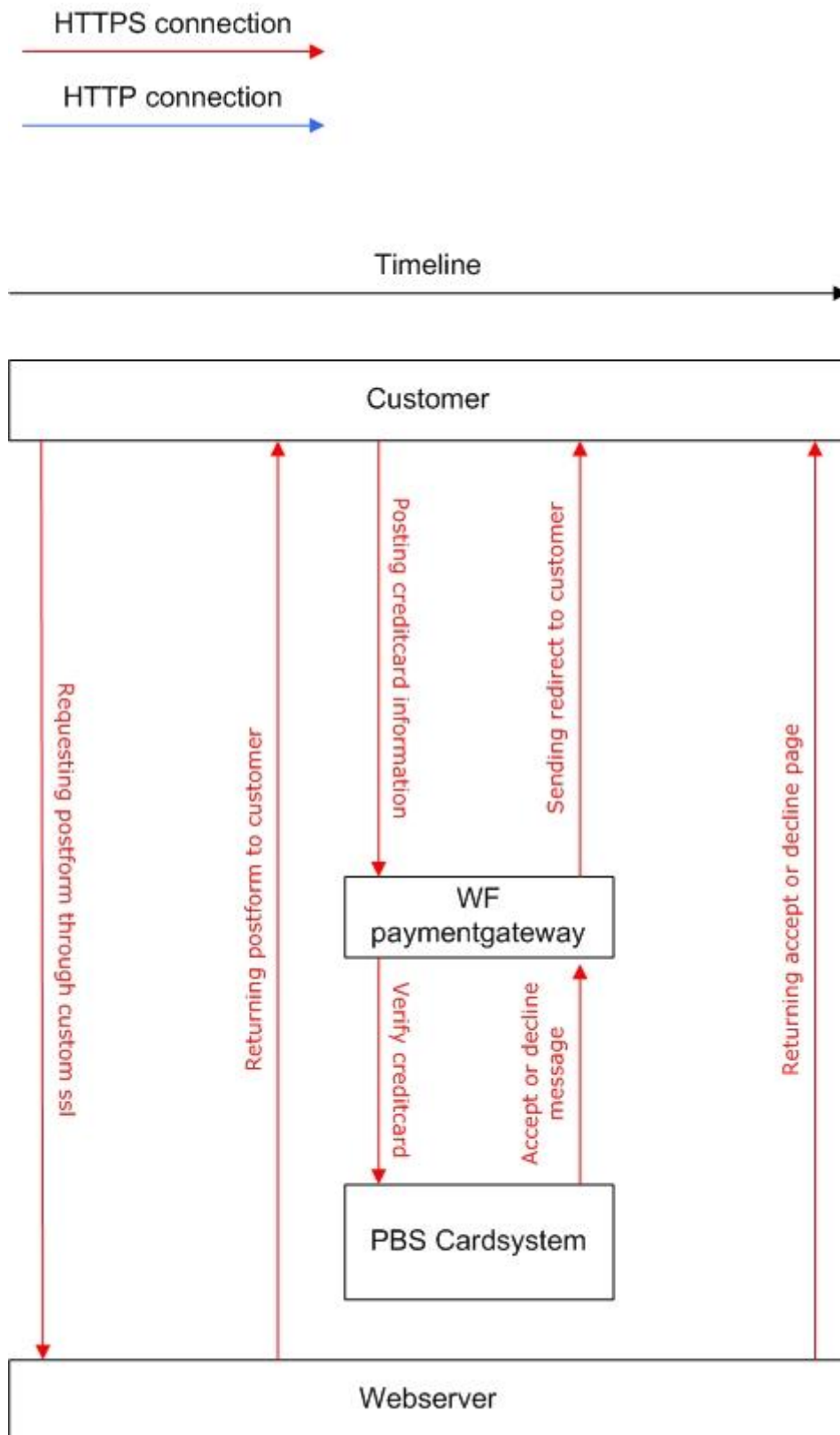
Relay URL:

<https://betaling.wannafind.dk/proxy/p.php/http://www.webshop.dk/payform.html>

1.8 Payment flow with SSL Proxy



1.9 Payment flow with custom SSL



2. API Documentation

2.1 API connection

All API connections is based on https requests. We recommend use one of the following functions that are made public at our websites download section.

The public examples describe how to make connection through ASP 3.x, ASP.NET and PHP.

2.2 Cancel transaction

GatewayURL = <https://betaling.wannafind.dk/api/>

API = pg.api.canceltransack.php

The api requires HTTP authentication. To enable this in the connection example, set login = true.

Response from API

Field	Response	Description
ACTION	APPROVED, DECLINED	Action can return APPROVED or DECLINED. The answer depends, if the action is successful or failed.
ERROR	ERROR	A short error description
AMOUNT	AMOUNT	Return amount for the specific transaction
ORDERID	ORDERID	Return orderid and orderidprefix for the specific transaction

2.3 Capture transaction

GatewayURL = <https://betaling.wannafind.dk/api/>

API = pg.api.capturetransack.php

Use the following GET parameters.

1. transacknum

The api requires HTTP authentication. To enable this in the connection example, set login = true.

Response from API

Field	Response	Description
ACTION	APPROVED, DECLINED	Action can return APPROVED or DECLINED. The answer depends, if the action is successful or failed.
ERROR	ERROR	A short error description
AMOUNT	AMOUNT	Return amount for the specific transaction
ORDERID	ORDERID	Return orderid and orderidprefix for the specific transaction

2.4 Change amount

GatewayURL = <https://betaling.wannafind.dk/api/>

API = pg.api.changeamount.php

Use the following GET parameters.

1. transacknum
2. shopid
3. amount

The api requires HTTP authentication. To enable this in the connection example, set login = true.

Remember to fill out amount var, if using the connection example.

Response from API

Field	Response	Description
ACTION	APPROVED, DECLINED	Action can return APPROVED or DECLINED. The answer depends, if the action is successful or failed.
ERROR	ERROR	A short error description
AMOUNT	AMOUNT	Return amount for the specific transaction
ORDERID	ORDERID	Return orderid and orderidprefix for the specific transaction

2.5 Check transaction

GatewayURL = <https://betaling.wannafind.dk/api/>

API = pg.api.checktransack.php

To verify a Credit card, eDankort or 3Dsecure transaction, use the following GET parameters.

1. transacknum
2. shopid

To verify a transaction from DanskeBank, use the following GET parameters

1. checkType=bankname
2. boNo=000000
3. bankMerchantID=bank merchantid
4. orderid=0000

checkType	Bank name (DanskeBank)
boNo	Merchant business online
bankMerchantID	DanskeBank Merchant ID
Orderid	Orderid for the specific transaction. Remember to include orderidprefix, if it has ben used.

Respons from API

Field	Response	Description
ACTION	AUTH-APPROVED, CAPTURE-APPROVED, SUBSCRIBE- APPROVED, DECLINED	The answer depends, if the action is successful or failed.
ERROR	ERROR	A short error description specific
AMOUNT	AMOUNT	Return amount for the specefic transaction
ORDERID	ORDERID	Return orderid and orderidprefix for the specific transaction

2.6 Renew transaction

GatewayURL = <https://betaling.wannafind.dk/api/>

API = pg.api.renewtransack.php

Use the following GET parameters.

1. transacknum
2. shopid

The api requires HTTP authentication. To enable this in the connection example, set login = true.

Respons from API

Field	Response	Description
ACTION	APPROVED, DECLINED	Action can return APPROVED or DECLINED. The answer depends, if the action is successful or failed.
ERROR	ERROR	A short error description
AMOUNT	AMOUNT	Return amount for the specific transaction
ORDERID	ORDERID	Return orderid and orderidprefix for the specific transaction

3. Action codes

3.1 Action code list

Action code	Description
0	Successful action
1	Transaction declined
2	Possible fraud
3	Communication error
4	Card is expired
5	PBS internal system error
6	Invalid Transaction
7	System error
8	Wrong merchant number
9	No card record
10	Card entry Below Low Range
11	Transaction not Permitted to terminal
12	Transaction not permitted to cardholder
13	Invalid card number
14	Unauthorized content in cardnum field
15	Unauthorized content in expire month
16	Unauthorized content in expire year
17	Unauthorized content in CVC
18	Card number is not authorized according to cardtype.
19	Not a unique orderid
20	Empty amount
21	Not a valid md5checksum
22	Netbank authorization failed
23	Netbank authorization cancelled by customer.

4. Subscribe authentication

4.1 Request acct example

```
1 <form method="post" action="https://betaling.wannafind.dk/auth.php">
2   <input type="hidden" name="shopid" value="SHOPID">
3   <input type="hidden" name="currency" value="CURRENCY (DKK 208)">
4   <input type="hidden" name="amount" value="AMOUNT">
5   <input type="hidden" name="orderid" value="ORDERID">
6   <input type="hidden" name="paytype" value="creditcard">
7   <input type="hidden" name="authtype" value="subscribe">
8   <input type="hidden" name="uniqorderid" value="TRUE / FALSE">
9
10  <input type="hidden" name="accepturl" value="ACCEPTURL">
11  <input type="hidden" name="declineurl" value="DECLINEURL">
12
13  <input type="text" name="cardnum" size="25">
14  <input type="text" name="emonth" size="2">
15  <input type="text" name="eyear" size="2">
16  <input type="text" name="cvc" size="3">
17
18  <input type="submit" name="submit" value="Payment">
19 </form>
```

It's only possible to use credit card when performing subscribe transactions. After a successful action, the transaction will be listed under "subscribe payments" in the web-interface. The transaction is only a subscribe payment. This means that before a capture can be made, an "acct authenticate" has to be created.

4.2 Request acct authenticate example

When performing an acct authenticate, we recommend using of ASPtear or file_get_contents.

It is also possible to make this request directly from a browser.

Fill in the following parameters, and request the URL. The acct authenticate, can be requested as a batchlist, or as a single request.

When sending a single request. Just fill in the transaction ID, that was delivered whit the accepturl, when the Request acct was made. The second option is the amount, for this specific transaction. The last option is the orderid, which can be used as a reference number between the customer order and the transaction.

Batchlist=transacnum1;amount1;orderid1

When sending more than one request, just duplicate the options, and separate them with decimal point.

Batchlist=transacnum1;amount1;orderid1;orderidprefix1,transacnum2;amount2;orderid2;orderidprefix2

URL:

<https://betaling.wannafind.dk/authsubscribe.php?batchlist=transacknum1;amount1;orderid1;orderidprefix1>

The response from this action, will be returned as plain text.

If a successful action was made, the response will look like this.

APPROVED;ORIGINALTRANSNUM;NEWTRANSNUM;AMOUNT;ORDERID;ORDERIDPREFIX

If the action fails, the response will look like this.

FAILED;ORIGINALTRANSNUM;0;AMOUNT;ORDERID;ORDERIDPREFIX

5. Appendix

5.1 Appendix A

MD5 checksum is used to verify data, which have been posted from the webshop to the Paymentgateway. Every important data filed in the postform, is included in this verify check. We highly recommend enabling this feature.

The feature has to be enabled, before the Paymengateway will react on this field. Enabling md5checksum is done by clicking the checkbox that refer to md5checksum. The checkbox is located in the paymengateway webinterface under "Indstillinger / Settings".

After the checkbox is marked, there are 4 dropdown menus and one key field which has to be filled out. The most appropriate way to do this, is to select a different value in all of the 4 dropdown menus. In the last key field, type in a secret that is only used in this md5checksum.

The last part is to add the md5cheksum field to the post form, and fill in the right md5checksum.

If using PHP, ASP 3.x or asp.net, we provide some examples that are made public at our websites download section.