

CB2A - Cartes Bancaires Account Updater MDC

Scenario Cartes Bancaires Account Update

Cartes Bancaires Account Updater (short MDC) is a service provided by Cartes Bancaires (CB) which allows to request some credit card data. CB will check for updates and sends updated credit card data back in response.

To ease usage of MDC and to make it PCI DSS compliant Computop Paygate will translate [Pseudo Card Numbers \(PCNr\)](#) into credit card numbers before sending to MDC and will create new [PCNr](#) for updated cards before sending response back to you.

MDC / Computop Paygate allow you to send multiple cards in request and will send a record back in response for each card you've sent.

 Your Merchant configuration needs to be enrolled to the Cartes Bancaires Account Updater (short MDC) by [Computop Helpdesk](#)

 Card updates can be only sent back if the merchant has already a Card-on-file with expired card - not all cards.

 You may send in real card numbers (pay attention to your [PCI DSS](#) certification) or Pseudo Card Numbers (PCNr) which are not PCI DSS relevant.

 Maximum number of cards in request / response is limited to 10.000 cards.

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Request / Response mdcupdater.aspx

Request elements

Notice: For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the [encrypted payment request parameters](#):

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
cards	JSON	M	List of cards to be checked, base64 encoded Cards may be real PANs or PCNr, List of incoming cards may have up to 10.000 elements. Incoming JSON like <pre>[{ "oldPan": "0123456789012907" }, { "oldPan": "0123456789012000" }]</pre> e.g. cards=Ww0KICAgIHsgIm9sZFBhbiI6IClwMTIzNDU2Nzg5MDEyOTA3IiB9LA0KICAgIHsgIm9sZFBhbiI6IClwMTIzNDU2Nzg5MDEyMDAwIiB9DQpd

Response elements (mdcupdater.aspx)

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. mid, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
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mid	ans..30	M	MerchantID, assigned by Computop																		
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment																		
Status	a..20	M	Status of the transaction. Values accepted: • OK • FAILED																		
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!																		
Code	an8	M	Error code according to Paygate Response Codes (A4 Error codes)																		
cards	JSON	M	List of cards, base64 encoded. newPan will always be a PCNr. If newPan != oldPan then create new PCNr. Response JSON like: <pre>[{ "oldPan": "12345678907", "newPan": "12345678917", "newExpiryDate": "23/10", "responseCode": "000" }, { "oldPan": "2017671234560000", "newPan": "", "newExpiryDate": "", "responseCode": "301" }] e.g. cards= Ww0KICB7ICJvbGRQYW4iOiAiMTIzNDU2Nzg5MDciLCAibmV3UGFuIjogIjEyMzQ1Njc4OTE3IiwgIm5ld0V4cGlyeURhdGUiOiAiMTAVMjMiLCAicmVzcG9uc2VDb2RlIjogIjAwMCIgfSwNCiAgAib2xkUGFuIjogIjIwMTc2NzEyMzQ1NjAwMDAiLCAibmV3UGFuIjogIiIsICJuZXdfFeHBpcnlEYXRlIjoiIiwgInJlc3BvbnnlQ29kZSI6ICZMDEiIH0NC10=</pre> <table><caption>Table of responseCodes:</caption><thead><tr><th>responseCodes</th><th>Description</th></tr></thead><tbody><tr><td>000</td><td>OK Card has been found, new Card (newPan) has been returned. This card number is a PCNr due to ease PCI DSS compliance.</td></tr><tr><td>201</td><td>Required element missing Name of required element(s) that was omitted; if more than one element is detected, this is a comma delimited list.</td></tr><tr><td>203</td><td>Format Invalid (Data element not in the required format or value is invalid) For example, not numeric or wrong length.</td></tr><tr><td>301</td><td>There is no new card available for this PAN</td></tr><tr><td>302</td><td>Data encryption/decryption failure (due to technical or other reason)</td></tr><tr><td>303</td><td>An error occurred during the insert / update / delete within the database</td></tr><tr><td>304</td><td>Already existing in database</td></tr><tr><td>800</td><td>Given PCNr is not found to be translated into PAN for MDC request</td></tr></tbody></table>  if a given PCNr in card-JSON-Request is not found: • Computop Paygate will send PCNr as oldPan with prefix "9999" • return newPan with prefix "9999" • and set responseCode to "800"	responseCodes	Description	000	OK Card has been found, new Card (newPan) has been returned. This card number is a PCNr due to ease PCI DSS compliance.	201	Required element missing Name of required element(s) that was omitted; if more than one element is detected, this is a comma delimited list.	203	Format Invalid (Data element not in the required format or value is invalid) For example, not numeric or wrong length.	301	There is no new card available for this PAN	302	Data encryption/decryption failure (due to technical or other reason)	303	An error occurred during the insert / update / delete within the database	304	Already existing in database	800	Given PCNr is not found to be translated into PAN for MDC request
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