



Comdata Web Services 2.0

Specifications & Field Definitions

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Document Information

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06/29/2012	Ver 4.0	Josh Palmer, Steven Harris	Changed order of elements to match request/response format; updated "For Future Use" notes
10/23/2012	Ver 4.1	Steven Harris	Updated Virtual Card Listing Virtual Card Add requests
3/5/2013	Ver 4.3	Josh Palmer, Steven Harris	Updated Limited Network Update and Virtual Card Listing request
4/3/2013	Ver 4.4	Steven Harris	Updated Virtual Card Update 2.0
4/15/2013	Ver 4.5	Steven Harris	Added value "X" to cardStatus element in Web Services 2.0
5/20/2013	Ver. 5.0	Josh Palmer	Updated the endpoint and WSDL; Card Token and Card Update Date added to the Virtual Card Listing response
7/8/2013	Ver. 6.0	Josh Palmer	Added Stop Payment request
11/13/2014	Ver. 7.0	Steven Harris	Updated with new requests that include card block reason codes
5/12/2015	Ver. 8.0	Steven Harris	Updated certification environment links

Disclaimer

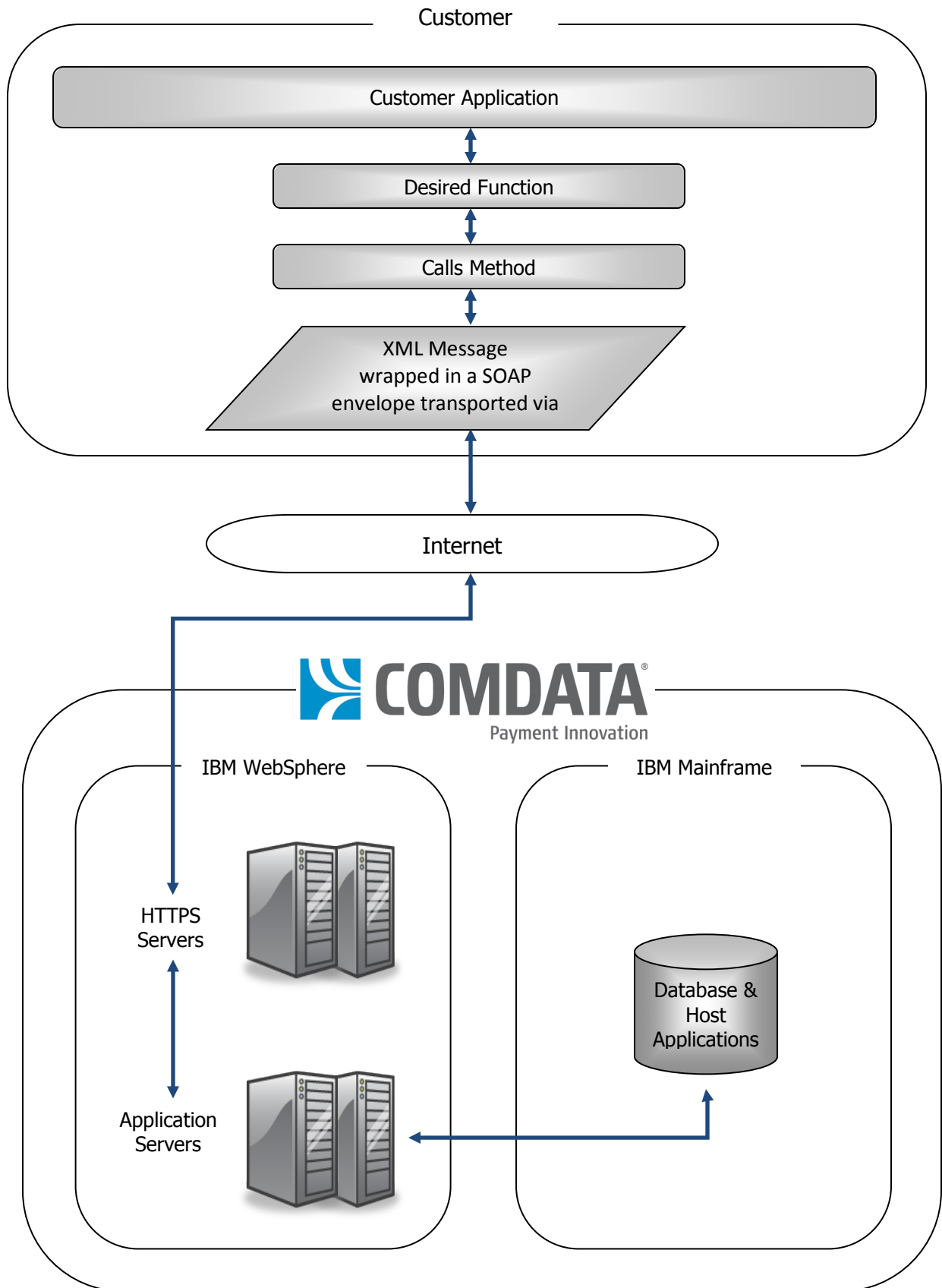
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Comdata Web Services 2.0 Overview

Comdata Web Services Architecture



Comdata Web Services 2.0 Security

The Comdata web services 2.0 platform is protected by multiple layers of security to ensure that only authorized users utilize these services. There are three levels of security. An authentication failure at any of these levels will deny access.

- Secure Socket Layer (SSL) Data Transport – All data must be transported utilizing Secure Hyper Text Transport Protocol (HTTPS) which relies on the Secure Socket Layer (SSL) data communications protocol.
- Public Key Encryption using Verisign© public 128-bit certificate
- WS-Security Basic Authentication – WS-Security is utilized to authenticate access to Comdata web services. Comdata will provide authentication credentials, Username and Password values, which must be included in the WS-Security UsernameToken portion of the SOAP header. Additional data access authority and update capability are more specifically defined and dependent upon security levels maintained within a user's iConnectData profile.

Comdata Web Services 2.0 Endpoint and WSDL

Certification Environment

Endpoint: <https://w8cert.icconnectdata.com/cows2.0/services/VirtualCard0210>

WSDL: <https://w8cert.icconnectdata.com/cows2.0/services/VirtualCard0210/wsd/VirtualCard0210.wsd>

Production Environment

Endpoint: <https://w6.icconnectdata.com/cows2.0/services/VirtualCard0210>

WSDL: <https://w6.icconnectdata.com/cows2.0/services/VirtualCard0210/wsd/VirtualCard0210.wsd>

Comdata Web Services 2.0 General Requirements

- All alphabetical characters in element values should be in upper case.
- The SOAP implementation in Websphere 6.1 is compliant with the WS-I Basic Profile 1.0, which requires that all application-specific elements in the body must be namespace qualified to avoid name collision.
- In the event that a host response code / response message is not descriptive enough, please contact your Comdata Representative for a greater explanation.
- SOAP Fault Elements are utilized to communicate fault error and/or fault status information.

Comdata Web Services 2.0 Functional Overview

Card Based Functions		Relevant Card Type		
		Comdata Proprietary Cards	Comdata MasterCard (physical & ghost)	Comdata Virtual MasterCards
Virtual MasterCard Maintenance				
Function	Web Service Method			
Request a new Virtual Card	CardAdd			☑
Inquire about an existing Virtual Card	CardInquiry			☑
Inquire about an existing Virtual Card	CardInquiryV02			☑
Update an existing Virtual Card	CardUpdate			☑
Update an existing Virtual Card	CardUpdateV02			☑
Change the status of an existing Virtual Card	CardBlockUnblock			☑
Change the status of an existing Virtual Card	CardBlockUnblockV02			☑
Obtain a Virtual Card listing	CardListing			☑
Obtain a Virtual Card listing	CardListingV02			☑
Block a Virtual Card for Comdata Health clients	StopPayment			☑
Block a Virtual Card for Comdata Health clients	StopPaymentV02			☑

Virtual Card Add

The Virtual Card Add function is used to request a Comdata Virtual MasterCard.

Function:	Virtual Card Add
Web Service Method:	CardAdd
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	TS00033
Other Notes:	

Request Record – Virtual Card Add

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardAdd>				
<CardAdd>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
customerId	xsd:string	Y	5	Value assigned by Comdata.
dollarAmount	xsd:decimal	Y	10	9999999.99
expirationMMYY	xsd:int	Y	4	If MM < 10 then Expiration Date in MYY or MMY format. If MM >= 10 then Expiration Date in MMY format.
firstName	xsd:string	Y	15	Must be at least one alpha character. No special characters or numbers.
GLCode1	xsd:string	N	60	GL Code value
GLCode1Amount	xsd:decimal	N	10	9999999.99
GLCode2	xsd:string	N	60	GL Code value
GLCode2Amount	xsd:decimal	N	10	9999999.99
GLCode3	xsd:string	N	60	GL Code value
GLCode3Amount	xsd:decimal	N	10	9999999.99
GLCode4	xsd:string	N	60	GL Code value
GLCode4Amount	xsd:decimal	N	10	9999999.99
lastName	xsd:string	Y	20	Must be at least 3 successive alpha characters; no spaces, special characters, or numbers.
MCCCode	xsd:string	N	4	Restrict card to specific MCC (Merchant Category Code)
miscCost	xsd:decimal	N	10	9999999.99
numTransactionsAllowedForAuth	xsd:short	Y	3	Valid Values 1 to 999.
openForAirlineMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
openForBusinessServicesMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForCarRentalsMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForFinancialServicesMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForFuelMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForHotelsMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForLegalAndInsuranceMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForMaintenanceMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForMedicalMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForMiscMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForMiscTransportationMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
openForRestaurantsMerchantGroup	cowsvc:char	Y	1	Y = Open N = Closed
PONumber	xsd:string	N	15	PO Number for reporting (optional)
promptedIDDriver	xsd:string	N	17	Prompted Driver ID (optional)
repairOrderNumber	xsd:string	N	10	Repair Order Number (optional)
totalLaborCost	xsd:decimal	N	10	9999999.99
totalPartsCost	xsd:decimal	N	10	9999999.99
totalTaxCost	xsd:decimal	N	7	9999.99
useGLCode1AsDefault	cowsvc:char	N	1	Y or YES = Yes N or NO = No If no value specified, default is NO.
vehicleNumber	xsd:string	N	17	Vehicle/Unit number (optional)
vendorInvoiceNumber	xsd:string	N	15	Vendor invoice number (optional)
vendorNumber	xsd:string	N	15	Vendor number (optional)
warrantyPeriod	xsd:string	N	8	Warranty period (optional)
warrantyReport	cowsvc:char	N	1	Y = Yes N = No
mustBeExactAmountForAuth	xsd:boolean	Y	N/A	0 and FALSE = False 1 and TRUE = True
secureCardInfo	cowsvc:YesNoFlag	N	1	Y = Yes N = No
</cardAdd>				
</CardAdd>				

Response Record – Virtual Card Add

<CardAddResponse>				
<cardAddResponse>				
<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardNumber	xsd:string	N	16	Full 16 digit Comdata MasterCard. Null value returned if card was NOT added.
customerId	xsd:string	Y	5	Value assigned by Comdata.
CVC2	xsd:short	N	3	Security code for card authenticity. No Leading Zeros on 2 digit CVC2 values. "0" returned if card was NOT added.
expirationMMYY	xsd:int	N	4	If MM < 10 then Expiration Date in MYY format. If MM >= 10 then Expiration Date in MMY format. "0" returned if card was NOT added.
responseCode	xsd:int	Y	5	0 = OK Anything else = error
responseMessage	xsd:string	Y	80	Response Description. Null returned if card add successful.
cardToken	xsd:string	Y	10	Comdata assigned Card token for this Virtual Card.
cardNumberHash	xsd:string	Y	64	Hash for this Virtual Card.
</cardAddResponse>				
</CardAddResponse>				

Virtual Card Inquiry

Note: This operation has been deprecated. Please use the latest version of this function. This version will be removed at some time in the future.

The Virtual Card Inquiry function is used to inquire the current attributes of an existing Comdata Virtual MasterCard. No card updates are performed. It is an information only request.

Function:	Virtual Card Inquiry
Web Service Method:	CardInquiry
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	Similar to TS00035 with added functionality
Other Notes:	

Request Record – Virtual Card Inquiry

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<virtualCardInquiry>				
<inquiryRequest>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardIdentifier	xsd:string	Y	16	Card Number value or Card Token value.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value or T = Card Token value.
customerId	xsd:string	Y	5	Value assigned by Comdata.
secureCardInfo	cowsvc:YesNoFlag	N	1	Y = Yes N = No
</inquiryRequest>				
</virtualCardInquiry>				

Response Record – Virtual Card Inquiry

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<virtualCardInquiryResponse>				
<virtualCardInquiryReturn>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardNumber	xsd:string	Y	16	Full 16 digit Comdata MasterCard number.
cardStatus	cowsvc:char	Y	1	A=Active B=Blocked F=Fraud S=Stolen X = Permanent Block
customerId	xsd:string	Y	5	Value assigned by Comdata.
CVC2	xsd:short	Y	3	Security code value for card authenticity. '0' will be returned if card doesn't exist.
dollarAmount	xsd:decimal	Y	10	9999999.99

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
expirationMMYY	xsd:int	Y	4	If MM < 10 then Expiration Date in MYY format. If MM >= 10 then Expiration Date in MMY format. "0" returned if invalid card number.
firstName	xsd:string	Y	15	Value assigned to the First Name field
GLCode1	xsd:string	N	60	GL Code value
GLCode1Amount	xsd:decimal	Y	10	9999999.99
GLCode2	xsd:string	N	60	GL Code value
GLCode2Amount	xsd:decimal	Y	10	9999999.99
GLCode3	xsd:string	N	60	GL Code value
GLCode3Amount	xsd:decimal	Y	10	9999999.99
GLCode4	xsd:string	N	60	GL Code value
GLCode4Amount	xsd:decimal	Y	10	9999999.99
lastName	xsd:string	Y	20	Value assigned to the Last Name field
MCCCode	xsd:string	N	4	MCC Code assigned to card (if any)
miscCost	xsd:decimal	Y	10	9999999.99
numTransactionsAllowedForAuth	xsd:short	Y	3	Value assigned to card from 1 to 999.
openForAirlineMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForBusinessServicesMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForCarRentalsMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForFinancialServicesMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForFuelMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForHotelsMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForLegalAndInsuranceMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMaintenanceMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMedicalMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMiscMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMiscTransportationMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForRestaurantsMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
PONumber	xsd:string	N	15	PO Number for reporting
promptedIDDriver	xsd:string	N	17	Prompted Driver ID
repairOrderNumber	xsd:string	N	10	Repair Order Number
responseCode	xsd:int	Y	5	0 = OK Anything else = Error "0" returned if Inquiry Successful
responseMessage	xsd:string	Y	80	Response Description. 'INQUIRY SUCCESSFUL' returned if card inquiry successful.
totalLaborCost	xsd:decimal	Y	10	9999999.99
totalPartsCost	xsd:decimal	Y	10	9999999.99

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
totalTaxCost	xsd:decimal	Y	7	9999.99
useGLCode1AsDefault	cowsvc:char	Y	1	Y = Yes N = No
vehicleNumber	xsd:string	N	17	Vehicle/Unit number
vendorInvoiceNumber	xsd:string	N	15	Vendor invoice number
vendorNumber	xsd:string	N	15	Vendor number
warrantyPeriod	xsd:string	N	8	Warranty period
warrantyReport	tns2:char	Y	1	Y = Yes N = No
mustBeExactAmountForAuth	xsd:boolean	Y	N/A	0 = No 1 = True
availableBalance	xsd:decimal	Y	10	9999999.99
cardToken	xsd:string	Y	10	Comdata assigned Card token for this Virtual Card.
cardNumberHash	xsd:string	Y	64	Hash for this virtual card.
</virtualCardInquiryReturn>				
</virtualCardInquiryResponse>				

Virtual Card Inquiry 2

The [Virtual Card Inquiry 2](#) function is used to inquire the current attributes of an existing Comdata Virtual MasterCard. No card updates are performed. It is an information only request.

Function:	Virtual Card Inquiry 2
Web Service Method:	CardInquiryV02
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	Similar to TS00035 with added functionality
Other Notes:	

Request Record – Virtual Card Inquiry 2

Element Name	Data Type	Req	Max Len	Comment / Example Value
<virtualCardInquiryV02>				
<inquiryRequestV02>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardIdentifier	xsd:string	Y	16	Card Number value or Card Token value.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value or T = Card Token value.
customerId	xsd:string	Y	5	Value assigned by Comdata.
secureCardInfo	cowsvc:YesNoFlag	N	1	Y = Yes N = No
</inquiryRequestV02>				
</virtualCardInquiryV02>				

Response Record – Virtual Card Inquiry 2

Element Name	Data Type	Req	Max Length	Comment / Example Value
<virtualCardInquiryResponseV02>				
<virtualCardInquiryReturnV02>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardNumber	xsd:string	Y	16	Full 16 digit Comdata MasterCard number.
cardStatus	cowsvc:char	Y	1	A=Active B=Blocked F=Fraud S=Stolen X = Permanent Block
customerId	xsd:string	Y	5	Value assigned by Comdata.
CVC2	xsd:short	Y	3	Security code value for card authenticity. '0' will be returned if card doesn't exist.
dollarAmount	xsd:decimal	Y	10	9999999.99
expirationMMYY	xsd:int	Y	4	If MM < 10 then Expiration Date in MYY format. If MM >= 10 then Expiration Date in MMY format. "0" returned if invalid card number.

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Length</i>	<i>Comment / Example Value</i>
firstName	xsd:string	Y	15	Value assigned to the First Name field
GLCode1	xsd:string	N	60	GL Code value
GLCode1Amount	xsd:decimal	Y	10	9999999.99
GLCode2	xsd:string	N	60	GL Code value
GLCode2Amount	xsd:decimal	Y	10	9999999.99
GLCode3	xsd:string	N	60	GL Code value
GLCode3Amount	xsd:decimal	Y	10	9999999.99
GLCode4	xsd:string	N	60	GL Code value
GLCode4Amount	xsd:decimal	Y	10	9999999.99
lastName	xsd:string	Y	20	Value assigned to the Last Name field
MCCCode	xsd:string	N	4	MCC Code assigned to card (if any)
miscCost	xsd:decimal	Y	10	9999999.99
numTransactionsAllowedForAuth	xsd:short	Y	3	Value assigned to card from 1 to 999.
openForAirlineMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForBusinessServicesMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForCarRentalsMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForFinancialServicesMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForFuelMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForHotelsMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForLegalAndInsuranceMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMaintenanceMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMedicalMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMiscMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForMiscTransportationMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
openForRestaurantsMerchantGroup	cowsvc:char	Y	1	Y = Yes N = No
PONumber	xsd:string	N	15	PO Number for reporting
promptedIDDriver	xsd:string	N	17	Prompted Driver ID
repairOrderNumber	xsd:string	N	10	Repair Order Number
responseCode	xsd:int	Y	5	0 = OK Anything else = Error "0" returned if Inquiry Successful
responseMessage	xsd:string	Y	80	Response Description. 'INQUIRY SUCCESSFUL' returned if card inquiry successful.
totalLaborCost	xsd:decimal	Y	10	9999999.99
totalPartsCost	xsd:decimal	Y	10	9999999.99
totalTaxCost	xsd:decimal	Y	7	9999.99

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Length</i>	<i>Comment / Example Value</i>
useGLCode1AsDefault	cowsvc:char	Y	1	Y = Yes N = No
vehicleNumber	xsd:string	N	17	Vehicle/Unit number
vendorInvoiceNumber	xsd:string	N	15	Vendor invoice number
vendorNumber	xsd:string	N	15	Vendor number
warrantyPeriod	xsd:string	N	8	Warranty period
warrantyReport	tns2:char	Y	1	Y = Yes N = No
mustBeExactAmountForAuth	xsd:boolean	Y	N/A	0 = No 1 = True
availableBalance	xsd:decimal	Y	10	9999999.99
cardToken	xsd:string	Y	10	Comdata assigned Card token for this Virtual Card.
cardNumberHash	xsd:string	Y	64	Hash for this virtual card.
cardBlockReasonCode	xsd:string	N	4	The reason code for blocking a card
cardBlockReasonDesc	xsd:string	N	60	The description of the reason code See Appendix B for all possible codes and descriptions.
cardBlockDateTime	xsd:date Time	N	17	YYYY-MM-DD HH:MM:SS.S
</virtualCardInquiryReturnV02>				
</virtualCardInquiryResponseV02>				

Virtual Card Update

Note: This operation has been deprecated. Please use the latest version of this function. This version will be removed at some time in the future.

The Virtual Card Update function is used to update the attributes of a Comdata Virtual MasterCard.

Function:	Virtual Card Update 2.0
Web Service Method:	CardUpdate
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	Similar to TS00033 with added functionality
Other Notes:	

Request Record – Virtual Card Update

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardUpdate>				
<cardUpdate>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardIdentifier	xsd:string	Y	16	Card Number value or Card Token value.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value or T = Card Token value.
cardStatus	cowsvc:char	Y	1	A=Active B=Blocked F=Fraud S=Stolen X = Permanent Block
customerId	xsd:string	Y	5	Value assigned by Comdata.
dollarAmount	xsd:decimal	Y	10	9999999.99
GLCode1	xsd:string	N	60	GL Code value
GLCode1Amount	xsd:decimal	N	10	9999999.99
GLCode2	xsd:string	N	60	GL Code value
GLCode2Amount	xsd:decimal	N	10	9999999.99
GLCode3	xsd:string	N	60	GL Code value
GLCode3Amount	xsd:decimal	N	10	9999999.99
GLCode4	xsd:string	N	60	GL Code value
GLCode4Amount	xsd:decimal	N	10	9999999.99
MCCCode	xsd:string	N	4	Restrict card to specific MCC (Merchant Category Code)
miscCost	xsd:decimal	N	10	9999999.99 Both 0.00 and no value replaces existing value.
numTransactionsAllowedForAuth	xsd:short	Y	3	Valid Values 1 to 999.
openForAirlineMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
openForBusinessServicesMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForCarRentalsMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForFinancialServicesMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForFuelMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForHotelsMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForLegalAndInsuranceMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMaintenanceMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMedicalMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMiscMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMiscTransportationMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForRestaurantsMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
PONumber	xsd:string	N	15	PO Number for reporting (optional)
promptedIDDriver	xsd:string	N	17	Prompted Driver ID (optional)
repairOrderNumber	xsd:string	N	10	Repair Order Number (optional)
totalLaborCost	xsd:decimal	N	10	9999999.99 Both 0.00 and no value replaces existing value.
totalPartsCost	xsd:decimal	N	10	9999999.99 Both 0.00 and no value replaces existing value.
totalTaxCost	xsd:decimal	N	7	9999.99 Both 0.00 and no value replaces existing value.
useGLCode1AsDefault	cowsvc:char	N	1	Y or YES = Yes N or NO = No If no value specified, default is NO.
vehicleNumber	xsd:string	N	17	Vehicle/Unit number (optional)
vendorInvoiceNumber	xsd:string	N	15	Vendor invoice number (optional)
vendorNumber	xsd:string	N	15	Vendor number (optional)
warrantyPeriod	xsd:string	N	8	Warranty period (optional)

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
warrantyReport	cowsvc:char	N	1	Y = Yes N = No
mustBeExactAmountForAuth	xsd:boolean	Y	N/A	0 and FALSE = False 1 and TRUE = True
</cardUpdate>				
</CardUpdate>				

Note: It is recommended that MCC Groups be explicitly Opened and/or Closed if you want to limit the card's usage by MCC Groups.

Response Record – Virtual Card Update 2.0

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardUpdateResponse>				
<cardUpdateResponse>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
customerId	xsd:string	Y	5	Value assigned by Comdata.
responseCode	xsd:int	Y	5	0 = OK Anything else = error
responseMessage	xsd:string	Y	80	Response Description. Null returned if card update successful.
</cardUpdateResponse>				
</CardUpdateResponse>				

Virtual Card Update 2

The [Virtual Card Update 2](#) function is used to update the attributes of a Comdata Virtual MasterCard.

Function:	Virtual Card Update 2
Web Service Method:	CardUpdate
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	Similar to TS00033 with added functionality
Other Notes:	

Request Record – Virtual Card Update 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardUpdateV02>				
<cardUpdateV02>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardIdentifier	xsd:string	Y	16	Card Number value or Card Token value.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value or T = Card Token value.
cardStatus	cowsvc:char	Y	1	A=Active B=Blocked F=Fraud S=Stolen X = Permanent Block
customerId	xsd:string	Y	5	Value assigned by Comdata.
dollarAmount	xsd:decimal	Y	10	9999999.99
GLCode1	xsd:string	N	60	GL Code value
GLCode1Amount	xsd:decimal	N	10	9999999.99
GLCode2	xsd:string	N	60	GL Code value
GLCode2Amount	xsd:decimal	N	10	9999999.99
GLCode3	xsd:string	N	60	GL Code value
GLCode3Amount	xsd:decimal	N	10	9999999.99
GLCode4	xsd:string	N	60	GL Code value
GLCode4Amount	xsd:decimal	N	10	9999999.99
MCCCode	xsd:string	N	4	Restrict card to specific MCC (Merchant Category Code)
miscCost	xsd:decimal	N	10	9999999.99 Both 0.00 and no value replaces existing value.
numTransactionsAllowedForAuth	xsd:short	Y	3	Valid Values 1 to 999.
openForAirlineMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForBusinessServicesMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
openForCarRentalsMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForFinancialServicesMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForFuelMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForHotelsMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForLegalAndInsuranceMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMaintenanceMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMedicalMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMiscMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForMiscTransportationMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
openForRestaurantsMerchantGroup	cowsvc:char	N	1	Y = Open N = Closed If no value specified, default is NO. See Note Below
PONumber	xsd:string	N	15	PO Number for reporting (optional)
promptedIDDriver	xsd:string	N	17	Prompted Driver ID (optional)
repairOrderNumber	xsd:string	N	10	Repair Order Number (optional)
totalLaborCost	xsd:decimal	N	10	9999999.99 Both 0.00 and no value replaces existing value.
totalPartsCost	xsd:decimal	N	10	9999999.99 Both 0.00 and no value replaces existing value.
totalTaxCost	xsd:decimal	N	7	9999.99 Both 0.00 and no value replaces existing value.
useGLCode1AsDefault	cowsvc:char	N	1	Y or YES = Yes N or NO = No If no value specified, default is NO.
vehicleNumber	xsd:string	N	17	Vehicle/Unit number (optional)
vendorInvoiceNumber	xsd:string	N	15	Vendor invoice number (optional)
vendorNumber	xsd:string	N	15	Vendor number (optional)
warrantyPeriod	xsd:string	N	8	Warranty period (optional)
warrantyReport	cowsvc:char	N	1	Y = Yes N = No
mustBeExactAmountForAuth	xsd:boolean	Y	N/A	0 and FALSE = False 1 and TRUE = True

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
cardBlockReasonCode	xsd:string	N	4	Block reason code
</cardUpdateV02>				
</CardUpdateV02>				

Note: It is recommended that MCC Groups be explicitly Opened and/or Closed if you want to limit the card's usage by MCC Groups.

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardUpdateResponseV02>				
<cardUpdateResponseV02>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
customerId	xsd:string	Y	5	Value assigned by Comdata.
responseCode	xsd:int	Y	5	0 = OK Anything else = error
responseMessage	xsd:string	Y	80	Response Description. Null returned if card update successful.
</cardUpdateResponseV02>				
</CardUpdateResponseV02>				

Virtual Card Block and Unblock

Note: This operation has been deprecated. Please use the latest version of this function. This version will be removed at some time in the future.

The Virtual Card Block and Unblock function is used to change the status of a Comdata Virtual MasterCard.

Function:	Virtual Card Block and Unblock
Web Service Method:	CardBlockUnblock
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	
Other Notes:	

Request Record – Virtual Card Block and Unblock

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardBlockUnblock>				
<cardBlockUnblock>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardIdentifier	xsd:string	Y	16	Card Number value.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value.
customerId	xsd:string	Y	5	Value assigned by Comdata.
cardActive	xsd:boolean	Y	N/A	0 and FALSE = False 1 and TRUE = True
</cardBlockUnblock >				
</CardBlockUnblock>				

Response Record – Virtual Card Block and Unblock

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardBlockUnblockResponse>				
<cardBlockUnblockResponse>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
customerId	xsd:string	Y	5	Value assigned by Comdata. Value assigned by Comdata.
responseCode	xsd:int	Y	5	0 = OK Anything else = error
responseMessage	xsd:string	Y	80	Response Description.
</cardBlockUnblockResponse>				
</CardBlockUnblockResponse>				

Virtual Card Block and Unblock 2

The Virtual Card Block and Unblock 2 function is used to change the status of a Comdata Virtual MasterCard.

Function:	Virtual Card Block and Unblock 2
Web Service Method:	CardBlockUnblock
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	
Other Notes:	

Request Record – Virtual Card Block and Unblock 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardBlockUnblockV02>				
<cardBlockUnblockV02>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardIdentifier	xsd:string	Y	16	Card Number value.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value.
customerId	xsd:string	Y	5	Value assigned by Comdata.
cardActive	xsd:boolean	Y	N/A	0 and FALSE = False 1 and TRUE = True
cardBlockReasonCode	xsd:string	N	4	Block reason code
</cardBlockUnblockV02>				
</CardBlockUnblockV02>				

Response Record – Virtual Card Block and Unblock 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardBlockUnblockResponseV02>				
<cardBlockUnblockResponseV02>				
accountCode	xsd:string	Y	5	Value assigned by Comdata.
customerId	xsd:string	Y	5	Value assigned by Comdata. Value assigned by Comdata.
responseCode	xsd:int	Y	5	0 = OK Anything else = error
responseMessage	xsd:string	Y	80	Response Description.
</cardBlockUnblockResponseV02>				
</CardBlockUnblockResponseV02>				

Virtual Card Listing

Note: This operation has been deprecated. Please use the latest version of this function. This version will be removed at some time in the future.

The Virtual Card Listing function is used to retrieve a list of Comdata Virtual MasterCard. No card updates are performed. It is an information only request.

Function:	Virtual Card Listing
Web Service Method:	CardListing
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCard (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCard
Comdata Real-Time Request Equivalency:	N/A
Other Notes:	

Request Record – Virtual Card Listing

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardListing>				
<cardListing>				
account	xsd:string	Y	5	Value assigned by Comdata.
custId	xsd:string	Y	5	Value assigned by Comdata.
secureCardInfo	cowsvc:YesNoFlag	Y	1	Y = Yes N = No
cardIdentifier	xsd:string	N	16	Card Number value only. No Card Tokens available. Note: If no card identifier value is provided, then an array of cards is returned beginning with the card most recently issued.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value.
cardIdentifierSort	xsd:string	Y	9	ASC or ASCENDING = Ascending DESC or DESCENDING = Descending
maxRows	xsd:string	Y	2	Valid Values between 1 and 50
</cardListing>				
</CardListing>				

Response Record – Virtual Card Listing

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardListingResponse>				
<cardListingResponse>				
responseCode	xsd:int	Y	5	0 = OK Anything else = Error "0" returned if Request Successful
responseMessage	xsd:string	Y	80	Response Description. No value returned if request successful.
Array of Cards				
<Card>				
<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardNumber	xsd:string	Y	16	Full 16-digit Comdata MasterCard number.
cardStatus	cowsvc:char	Y	1	A=Active B=Blocked F=Fraud S=Stolen X = Permanent Block
customerId	xsd:string	Y	5	Value assigned by Comdata.
dollarAmount	xsd:decimal	Y	11	99999999.99
expirationMMYY	xsd:string	Y	4	Constant "0".
firstName	xsd:string	Y	15	Value assigned to the First Name field
cardToken	xsd:string	Y	10	Comdata assigned card token for this virtual card
availableBalance	xsd:decimal	Y	11	99999999.99
lastName	xsd:string	Y	20	Value assigned to the Last Name field
cardIssueDate	xsd:string	Y	10	YYYY-MM-DD
</Card>				
<cardListingResponse>				
</CardListingResponse>				

Virtual Card Listing 2

The Virtual Card Listing 2 function is used to retrieve a list of Comdata Virtual MasterCard. No card updates are performed. It is an information only request.

Function:	Virtual Card Listing 2
Web Service Method:	CardListing
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCard (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCard
Comdata Real-Time Request Equivalency:	N/A
Other Notes:	

Request Record – Virtual Card Listing 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardListingV02>				
<cardListingV02>				
account	xsd:string	Y	5	Value assigned by Comdata.
custId	xsd:string	Y	5	Value assigned by Comdata.
secureCardInfo	cowsvc:YesNoFlag	Y	1	Y = Yes N = No
cardIdentifier	xsd:string	N	16	Card Number value only. No Card Tokens available. Note: If no card identifier value is provided, then an array of cards is returned beginning with the card most recently issued.
cardIdentifierType	cowsvc:char	Y	1	N = Card Number value.
cardIdentifierSort	xsd:string	Y	9	ASC or ASCENDING = Ascending DESC or DESCENDING = Descending
maxRows	xsd:string	Y	2	Valid Values between 1 and 50
</cardListingV02>				
</CardListingV02>				

Response Record – Virtual Card Listing 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<CardListingResponseV02>				
<cardListingResponseV02>				
responseCode	xsd:int	Y	5	0 = OK Anything else = Error "0" returned if Request Successful
responseMessage	xsd:string	Y	80	Response Description. No value returned if request successful.
Array of Cards				
<Card>				
<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Length</i>	<i>Comment / Example Value</i>
accountCode	xsd:string	Y	5	Value assigned by Comdata.
cardNumber	xsd:string	Y	16	Full 16-digit Comdata MasterCard number.
cardStatus	cowsvc:char	Y	1	A=Active B=Blocked F=Fraud S=Stolen X = Permanent Block
customerId	xsd:string	Y	5	Value assigned by Comdata.
dollarAmount	xsd:decimal	Y	11	99999999.99
expirationMMYY	xsd:string	Y	4	Constant "0".
firstName	xsd:string	Y	15	Value assigned to the First Name field
cardToken	xsd:string	Y	10	Comdata assigned card token for this virtual card
availableBalance	xsd:decimal	Y	11	99999999.99
lastName	xsd:string	Y	20	Value assigned to the Last Name field
cardIssueDate	xsd:string	Y	10	YYYY-MM-DD
cardBlockReasonCode	xsd:string	N	4	The reason code for blocking the card
cardBlockReasonDesc	xsd:string	N	60	The description of the reason code See Appendix B for all possible codes and descriptions.
cardBlockDateTime	xsd:dateTime	N	17	YYYY-MM-DD HH:MM:SS.S
</Card>				
<cardListingResponseV02>				
</CardListingResponseV02>				

Stop Payment

Note: This operation has been deprecated. Please use the latest version of this function. This version will be removed at some time in the future.

The Stop Payment function is designed for Comdata Health clients to cancel, or block, payment on a virtual card if the payee (provider) chooses a traditional payment instead. For Comdata Health clients, the designated funding model (pre-card issuance or post-authorization) and the current card status will determine if the requested card is blocked permanently or temporarily until authorization is dropped after 7 days. For non-Comdata Health virtual card clients, the Stop Payment request replicates the Card Block/Unblock request.

Function:	Stop Payment
Web Service Method:	StopPayment
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	N/A
Other Notes:	Works with card numbers or card tokens.

Request Record – Stop Payment

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<vir:StopPayment>				
<stopPayment>				
cardIdentifier	xsd:string	Y	16	Card number or card token
cardIdentifierType	cowsvc:CardIdentifierType	Y	1	N = card number T = card token
forceAction	xsd:boolean	N	5	True or False; null value = True
</stopPayment>				
</vir:StopPayment>				

Response Record – Stop Payment

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<stopPaymentResponse>				
<stopPaymentResponse>				
responseCode	xsd:int	Y	5	0 = OK Anything else = Error "0" returned if Request Successful
responseMessage	xsd:string	Y	80	Response description. No value returned if request successful.
availableBalance	xsd:decimal	Y	11	Values will be no larger than 99999999.99
outstandingAuths	xsd:decimal	Y	11	Values will be no larger than 99999999.99
</stopPaymentResponse>				
</StopPaymentResponse>				

Stop Payment 2

The Stop Payment 2 function is designed for Comdata Health clients to cancel, or block, payment on a virtual card if the payee (provider) chooses a traditional payment instead. For Comdata Health clients, the designated funding model (pre-card issuance or post-authorization) and the current card status will determine if the requested card is blocked permanently or temporarily until authorization is dropped after 7 days. For non-Comdata Health virtual card clients, the Stop Payment request replicates the Card Block/Unblock request.

Function:	Stop Payment 2
Web Service Method:	StopPayment
Applicable Card Type:	<input checked="" type="checkbox"/> Comdata Proprietary Cards <input checked="" type="checkbox"/> Comdata MasterCards (physical & ghost) <input checked="" type="checkbox"/> Comdata Virtual MasterCards
Comdata Real-Time Request Equivalency:	N/A
Other Notes:	Works with card numbers or card tokens.

Request Record – Stop Payment 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<vir:StopPaymentV02>				
<stopPaymentV02>				
cardIdentifier	xsd:string	Y	16	Card number or card token
cardIdentifierType	cowsvc:CardIdentifierType	Y	1	N = card number T = card token
forceAction	xsd:boolean	N	5	True or False; null value = True
cardBlockReasonCode	xsd:string	N	4	Block reason code
</stopPaymentV02>				
</vir:StopPaymentV02>				

Response Record – Stop Payment 2

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<stopPaymentResponseV02>				
<stopPaymentResponseV02>				
responseCode	xsd:int	Y	5	0 = OK Anything else = Error "0" returned if Request Successful
responseMessage	xsd:string	Y	80	Response description. No value returned if request successful.
availableBalance	xsd:decimal	Y	11	Values will be no larger than 99999999.99
outstandingAuths	xsd:decimal	Y	11	Values will be no larger than 99999999.99
</stopPaymentResponseV02>				
</StopPaymentResponseV02>				

Appendix A. - Comdata Web Services 2.0 Sample Request/Response

Comdata Web Services 2.0 - Sample Request (Raw Version)

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:vir="http://cows0200.comdata.com/VirtualCard0200/">
<soapenv:Header>
  <wsse:Security soapenv:mustUnderstand="1" xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-wssecurity-secext-1.0.xsd">
    <wsse:UsernameToken wsu:Id="UsernameToken-7" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
      <wsse:Username> TeStUsErNaMe1 </wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-
token-profile-1.0#PasswordText"> TeStPaSsWoRd1 </wsse:Password>
      <wsse:Nonce EncodingType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-soap-
message-security-1.0#Base64Binary"> aFZOWLhfIUZki65i4Qj+Dg== </wsse:Nonce>
      <wsu:Created>2011-11-11T16:30:35.006Z </wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soapenv:Header>
<soapenv:Body>
  <vir:CardBlockUnblock>
    <cardBlockUnblock>
      <accountCode>TE999</accountCode>
      <cardIdentifier>5567661234567890</cardIdentifier>
      <cardIdentifierType>N</cardIdentifierType>
      <customerId>12345</customerId>
      <cardActive>>false</cardActive>
    </cardBlockUnblock>
  </vir:CardBlockUnblock>
</soapenv:Body>
</soapenv:Envelope>
```

Comdata Web Services 2.0 - Sample Response (Raw Version)

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"><soapenv:Header/>
<soapenv:Body>
  <p173:CardBlockUnblockResponse xmlns:p173="http://cows0200.comdata.com/VirtualCard0200/">
    <cardBlockUnblockResponse>
      <accountCode>TE999</accountCode>
      <customerId>12345</customerId>
      <responseCode>0</responseCode>
      <responseMessage xsi:nil="true"/>
    </cardBlockUnblockResponse>
  </p173:CardBlockUnblockResponse>
</soapenv:Body>
</soapenv:Envelope>
```

Notes:

1. Use of the namespace "vir" in the sample request is simply illustrative of how the customer may choose to utilize a namespace.
2. Carriage returns, tabs, and spacing have been inserted in both the sample request and response to improve readability.
1. The preceding sample request and response was captured utilizing soapUI Pro 3.5.1.

Appendix B. – Possible Card Block Reason Codes and Descriptions

Possible card block reason codes and their descriptions that can display in the CardBlockReasonCode and cardBlockReasonDesc fields.

cardBlockReasonCode	cardBlockReasonDesc
1	Comdata Automated Block - Unknown Reason
2	Comdata Internal - Payee Opt Out
3	Comdata Automated Block - Net Credit Remaining Rule
4	Comdata Automated Block - Force Post - Under Card Rule
5	Payment Limit Cap
6	Overpayment
7	Partial Payment
8	Online Only
9	Security
10	Advisory Details Not Matching
11	Threshold
56	VP Prefund Block
57	VP Auto Block
100	CR - Payee Opt Out
101	CR - Incorrect Payee
102	CR - Void Card
103	CR - Duplicate Payment
104	CR - Payment Reissued
200	Vehicle Out of Service
201	New Vehicle
203	Vehicle Sold
204	Vehicle Transferred
205	Temporary Vehicle
300	Card Damaged
400	New Cardholder
401	Cardholder Transfer
402	Cardholder Leave
403	Cardholder Vacation
404	Cardholder Termed
405	Cardholder Out of Service
9000	Expired Card Block