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SDK

Cavallo Support - 2024-12-02 - SDK

Important Notice

After October 29, 2019, SalesPad will no longer be supporting CardControl. Additionally, the application will cease to be a PA-DSS validated solution as of this date, and therefore CardControl customers would no longer be PCI compliant.

Instead, SalesPad Desktop now offers built-in credit card processing via Nodus PayFabric. If you have questions or want more information on our credit card processing services, please contact your sales rep.

Overview

This document gives an overview of how to use both SOAP and REST services of the web API of CardControl. The document begins with an overview of the objects involved, progresses to the functions that operate on those objects, and then gives detailed examples of common usage.

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C# SOAP Examples

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Customer Object Credit Card Object

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The Response from the above Charge Request Charge Request with Sales Document

Objects

Customer Credit Card

Element	Туре	Description
CC_ID	Int32	Unique ID automatically generated when a card is saved.
Customer_Num	String	Unique customer ID.
CC_Number_Masked	String	Masked credit card number (XXXX-XXXX-0000).
CC_Type	String	Full name of the credit card type (Mastercard, Visa).
CC_Number_Secure	String	Encrypted Credit Card Number or Token ID.
CC_Expiration_Date	DateTime	Expiration date of the credit card (MM/YY).
Cardholder_Name	String	Name of the card holder.
Cardholder_Street_Address	String	Street address specified in the card billing address.
Cardholder_City	String	City specified in the card billing address.
Cardholder_State	String	State specified in the card billing address.
Cardholder_Zip	String	Zip code specified in the card billing address.
Cardholder_Country	String	Country specified in the card billing address.
$Cardholder_Country_Code$	String	Country code specified in the card billing address.
Cardholder_Phones	String	Whitespace delimited list of card holder phone numbers, maximum amount three.
CC_Description	String	Description of the credit card.
IsDefault	Boolean	Designates whether or not this is the default card for the associated customer. $ \\$
Туре	Int (Enum)	Designates whether or not this is a credit card or a tokenPossible values: • $0: CreditCard$ • $1: Token$
TokenStorage	Int32	ID of the processor associated with this token.
Card_Type: Enum	Int	Two character abbreviation of the CC_Type (MC, VI)Possible values: • 0 : Unknown • 1 : NotSet • 2 : AM • 3 : DI • 4 : MC • 5 : VI

${\bf Example\ Customer Credit Card\ XML}$

9074

Test1234533

MASTERCARD

2017-01-01 00:00:00

AARON FITZ

42 Wallaby Way

This is a new credit card.

2014-12-19 09:13:45

salespad

2014-12-19 09:13:45

salespad

True

1

1

4

Customer

Element Type Description Customer_Num String Unique customer ID. Customer_Name String Customer name.

Don't Store CC Boolean Designates whether or not credit cards for this customer will be saved.

Example Customer XML

TEST1234533

Test User

False

InOutDocument

 $\label{eq:prev_Transaction_ID} \ Int 32 \ \ Unique \ identifier \ of the \ previous \ transaction \ associated \ with \ the \ current \ transaction \ (Authorization$

being captured, transaction being voided, etc).

Designates the source of this request. Possible values:

• 0 : Unknown

 $Document_Source \quad Int \ (Enum) \ \bullet \ 1 : SOPEntry$

• 2 : CashReceipt • 3 : WebApi

Document Number String Document ID.

Designates the type of document. Possible values:

• 0 : Unknown • 1 : Quote

Document Type

Int (Enum) • 2 : Order • 3 : Invoice \bullet 4 : Return • 5 : Backorder

• 6 : Fulfillment

Document Date DateTime Designates the creation date of the document.

Unique ID that multiple related documents can belong to. Also known as a Document Group String

Master Number in Microsoft Dynamics GP.

Document Total Decimal The total amount associated with this document. Customer Num String Unique customer ID associated with this document. Customer Name String Name of the customer associated with this document.

Currency_ID ID of the currency in use for this document. String Amount Decimal Total amount of the transaction for this document.

The percentage to multiply by the amount as an extra charge for this Upcharge_Percent Decimal

transaction.

Designates the type of the current transaction.

Possible values: 0 : None

1.: Authorization

Transaction Type Int(Enum) 2.: Charge

3. : Capture 4. : Void 5. : Credit

Processor ID

Int32

Unique identifier for the target processor that will handle this

CreditCard ID

Int32

Unique identifier for a saved credit card. This value should be -1 if

the card is new.

CreditCard Number

String

String

Boolean

Credit card number.

CreditCard Expiration Date DateTime CVV2 String

Expiration date of the credit card. CVV2 code of the credit card.

Swipe $Save_Credit_Card$ The swipe data generated by using a credit card swiper. Designates whether or not this credit card should be saved.

Sales Document

 $\label{eq:SalesDocument} \mbox{ A sales document containing order information as well as any sales line items.}$

Example InOutDocument XML

0

3

ORDST2320

2018-11-30 00:00:00

64.15000

DONOVAN1

DONOVAN

Z-US\$

64.15000

0

2

15

26

1234567890123456

2017-01-01 00:00:00.000

False

2

ORDST2320

STDORD

NEED PO
64.15000
2018-11-30 00:00:00
SALESPERSON
NET 30
salespad
DONOVAN
GROUND
0
64.15000
100
SHIPTO CONTACT
SHIPTOADDRESS ONE
SHIPTO CITY
WI
53701-6652
USA
555555555
BILLTO CONTACT
BILLTO ADDRESS
BILLTO CITY
WI
53701-6652
USA
555555555
55555555
PRIMARY

2015-2-12 00:00:00

Open

CONTRACTS
DONOVAN1

PRIMARY

0

0

0

WAREHOUSE

RETAIL

USASTCITY-6*

Z-US\$

0.00

0

64.15000

0

CreditCardTransaction

Element	Type	Description
CC_Transaction_ID	Int32	Unique transaction ID automatically generated when a new transaction is created.
CC_Processor_ID	Int32	Unique identifier for the target processor that will handle this transaction. $$
CC_Transaction_Type	Int (Enum)	Designates the type of the current transaction. Possible values: • 0 : None • 1 : Authorization • 2 : Charge • 3 : Capture • 4 : Void • 5 : Credit
CC_Transaction_Time	DateTime	Date that the transaction was processed.
$CC_Cardholder_Name$	String	Name of the card holder.
CC_Type	String	Full name of the credit card type (Mastercard, Visa).
CC_Number_Masked	String	Masked credit card number (XXXX-XXXX-0000).
CC_Expiration_Date	DateTime	Expiration date of the credit card (MM/YY).
CC_Bank_Phone	String	Bank phone number.
CC_ID	Int32	Unique ID automatically generated when a card is saved.
Card_Type	Int (Enum)	Two character abbreviation of the CC_Type (MC, VI). Possible values: • 0 : Unknown • 1 : NotSet • 2 : AM • 3 : DI • 4 : MC • 5 : VI
CC_Transaction_Status	Int (Enum)	Designates the current status of the transaction. Possible values: • 0 : New • 1 : Pending • 2 : Success • 3 : Fail
$Document_XML$	String	XML serialized SalesDocument object.
$Document_Number$	String	Document ID.

Designates the type of document. Possible values:

• 0 : Unknown Int (Enum) • 1 : Quote

• 2 : Order • 3 : Invoice

Document Type

• 4 : Return • 5 : Backorder • 6 : Fulfillment

Document Date DateTime Designates the creation date of the document.

Unique ID that multiple related documents can belong to. Also known as

Document Group String a Master Number in Microsoft Dynamics GP and Master Num for the

SalesDocument object.

Customer Num Unique customer ID associated with this document. String Customer Name String Name of the customer associated with this document.

PO Num String Designates the purchase order number associated with this document.

Comments String Miscellaneous comments for this document. Document Total Decimal The total amount associated with this document. Currency ID String ID of the currency in use for this document.

Freight Decimal This document's freight amount. Decimal Tax This document's tax amount. Discount Decimal This document's discount amount.

Amount Decimal The total amount for the current transaction.

Unique identifier for the current transaction. If this transaction is new,

Auth Code String this field is automatically generated by the processor when the

transaction is completed.

Secondary identifier for the current transaction set by the payment Auth Code2 String

processor.

Processor response details. Processor Results String

XML serialized CreditCardTransaction for the previous associated Original Transaction Info String

transaction.

Designates the source of this request. Possible values:

• 0 : Unknown

Document Source Int (Enum) • 1 : SOPEntry

2 : CashReceipt • 3 : WebApi

Tax Exempt 1 String

Determines whether or not tax is included with the transaction amount. Tax_Exempt_2 Determines whether or not tax is included with the transaction amount. String

The shipping method the associated products. Shipping Method String

ISOCurrencyID String The ISO standardized currency ID for the current transaction amounts.

The name of the customer associated with the shipping address. Ship To Contact String

String Ship To Address 1 The first line of the shipping address.

Ship To Address 2 String The second line of the shipping address. Ship To Address 3 String The third line of the shipping address. Ship To City String The city specified in the shipping address. Ship To State String The state specified in the shipping address. Ship To Zip String The zip code specified in the shipping address. Ship To Country

String The country specified in the shipping address. Ship To Country Code String The country code specified in the shipping address. Ship To Phone String The phone number specified in the shipping address. Ship_To_Fax String The fax number specified in the shipping address. Ship To Email String The email address specified in the shipping address. Ship To Addr Code String The address code specified in the shipping address.

Bill To Contact String The name of the customer associated with the billing address.

Bill To Address 1 String The first line of the billing address. String The second line of the billing address. BillTo_Address_2 Bill To Address 3 String The third line of the billing address. Bill To City String The city specified in the billing address. Bill To State String The state specified in the billing address. Bill To Zip String The zip code specified in the billing address. Bill_To_Country String The country specified in the billing address.

Bill_To_Country_Code String The country code specified in the billing address.

Bill_To_Phone String The phone number specified in the billing address.

Bill_To_Fax String The fax number specified in the billing address.

Bill_To_Email String The email address specified in the billing address.

Bill_To_Addr_Code String The address code specified in the billing address.

Example CreditCardTransaction XML

13628 1 TestProcessor 2014-12-19 12:41:10 MASTERCARD XXXX-XXXX-XXXX-5100 2019-01-01 00:00:00 2 ORD012020 2 1900-01-01 00:00:00 AA10202 John Smith 0 0 0 0

 $Authorization\ transaction\ successful:\ This\ transaction\ has\ been\ approved.\ |\ AVS\ Response:\ Address\ (Street)\ and\ five\ digit\ ZIP\ match\ |\ Security\ Code\ Response:\ |\ Cardholder\ Authentication\ Verification\ Response:\ CAVV\ passed\ validation$

2014-12-19 12:41:10

20.00