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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Objects

CustomerCreditCard

Element	Type	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-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.
Type	Int (Enum)	Designates whether or not this is a credit card or a token. -Possible 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

Example CustomerCreditCard XML

<CustomerCreditCard>
<CC_ID>9074</CC_ID>
<Customer_Num>Test1234533</Customer_Num>
<CC_Number_Masked>XXXX-XXXX-XXXX-0000</CC_Number_Masked>
<CC_Type>MASTERCARD</CC_Type>
<CC_Number_Secure />
<CC_Expiration_Date>2017-01-01 00:00:00</CC_Expiration_Date>
<Cardholder_Name>AARON FITZ</Cardholder_Name>
<Cardholder_Street_Address>42 Wallaby Way</Cardholder_Street_Address>
<Cardholder_City />
<Cardholder_State />
<Cardholder_Zip />
<Cardholder_Country />
<Cardholder_Country_Code />
<Cardholder_Phones />
<CC_Description>This is a new credit card.</CC_Description>
<IsDefault>2014-12-19 09:13:45</IsDefault>
<Type>salespad</Type>
<TokenStorage>2014-12-19 09:13:45</TokenStorage>
</CustomerCreditCard>

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

Element	Type	Description
Prev_Transaction_ID	Int32	Unique identifier of the previous transaction associated with the current transaction (Authorization being captured, transaction being voided, etc).
Document_Source	Int (Enum)	Designates the source of this request. Possible values: • 0 : Unknown • 1 : SOPEntry • 2 : CashReceipt • 3 : WebApi
Document_Number	String	Document ID.
Document_Type	Int (Enum)	Designates the type of document. Possible values: • 0 : Unknown • 1 : Quote • 2 : Order • 3 : Invoice • 4 : Return • 5 : Backorder • 6 : Fulfillment
Document_Date	DateTime	Designates the creation date of the document.
Document_Group	String	Unique ID that multiple related documents can belong to. Also known as a 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	String	ID of the currency in use for this document.
Amount	Decimal	Total amount of the transaction for this document.
Upcharge_Percent	Decimal	The percentage to multiply by the amount as an extra charge for this transaction.

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
Processor_ID	Int32	Unique identifier for the target processor that will handle this transaction.
CreditCard_ID	Int32	Unique identifier for a saved credit card. This value should be -1 if the card is new.
CreditCard_Number	String	Credit card number.
CreditCard_Expiration_Date	DateTime	Expiration date of the credit card.
CVV2	String	CVV2 code of the credit card.
Swipe	String	The swipe data generated by using a credit card swiper.
Save_Credit_Card	Boolean	Designates whether or not this credit card should be saved.
Sales_Document	SalesDocument	A sales document containing order information as well as any sales line items.

Example InOutDocument XML


```
0

3

ORDST2320

2

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
```

2015-2-12 00:00:00

Open

CONTRACTS

DONOVAN1

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

5555555555

BILLTO CONTACT

BILLTO ADDRESS

BILLTO CITY

WI

53701-6652

USA

5555555555

5555555555

PRIMARY

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-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.

Document_Type	Int (Enum)	Designates the type of document. Possible values: • 0 : Unknown • 1 : Quote • 2 : Order • 3 : Invoice • 4 : Return • 5 : Backorder • 6 : Fulfillment
Document_Date	DateTime	Designates the creation date of the document.
Document_Group	String	Unique ID that multiple related documents can belong to. Also known as a Master Number in Microsoft Dynamics GP and Master_Num for the SalesDocument object.
Customer_Num	String	Unique customer ID associated with this document.
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.
Tax	Decimal	This document's tax amount.
Discount	Decimal	This document's discount amount.
Amount	Decimal	The total amount for the current transaction.
Auth_Code	String	Unique identifier for the current transaction. If this transaction is new, this field is automatically generated by the processor when the transaction is completed.
Auth_Code2	String	Secondary identifier for the current transaction set by the payment processor.
Processor_Results	String	Processor response details.
Original_Transaction_Info	String	XML serialized CreditCardTransaction for the previous associated transaction.
Document_Source	Int (Enum)	Designates the source of this request. Possible values: • 0 : Unknown • 1 : SOPEntry • 2 : CashReceipt • 3 : WebApi
Tax_Exempt_1	String	Determines whether or not tax is included with the transaction amount.
Tax_Exempt_2	String	Determines whether or not tax is included with the transaction amount.
Shipping_Method	String	The shipping method the associated products.
ISOCurrencyID	String	The ISO standardized currency ID for the current transaction amounts.
Ship_To_Contact	String	The name of the customer associated with the shipping address.
Ship_To_Address_1	String	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.
BillTo_Address_2	String	The second line of the billing address.
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

1

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

20.00

2225851807

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