



Updated September 2014

CashNet Required Settings

Prior to configuring your CashNet connector, the following information MUST be obtained from your CashNet administrator:

Important: Case must match!

Gateway Information

Site Url:

Merchant ID:

Customer Code:

Item Code:

Merchant Checkout Authentication Settings

The CashNet Merchant settings must have the 'Checkout Request Authentication Method' field set to **MD5 - Base64 Encoded**

Merchant Request Digest Parameter

This is the name of the request parameter that will hold the message authentication code or digest. This will default to 'digest'. This value is defined in the CashNet System Setup's under Merchant settings (see field labeled 'Checkout Request Parameter Name').

Merchant Request Auth Key

This is the shared secret authentication key as defined in the CashNet settings. This value is defined in the CashNet System Setup's under Merchant settings (see field labeled 'Checkout Request Authentication Key'). This value is required for security reasons

Transaction Key Ref Type

This is the parameter the GoPrint gateway uses to pass local transaction key. This will default to 'CCTRANNUM'. This parameter must be setup as a valid reference type in the CashNet System Settings

Transaction Response Ref Type

Settings parameter must be setup as a valid reference type in the CashNet System Settings

Transaction Response Secret Hash Key

This is the secret encryption key that the GoPrint gateway to uses to encode and decode the required values. Since the GoPrint payment gateway will include this in the initial request, we can verify that the request originated with us.

If questions arise from your CashNet administrator, you may provide the following instructions for clarification purposes. These instructions can also be found under the Control Center Help section under INTEGRATED PAYMENTS – CREDIT CARD GATEWAYS.

CashNet Instructions

1. Configure a Merchant Code account for GoPrint

A Merchant Code needs to be configured with special settings on your eMerchant administration console

- After logging into the eMerchant administration console, select **System Setup** and select the **Merchants** link under Miscellaneous
- Select the Merchant Code from the list of existing Merchants that will be used as the GoPrint Checkout
- In the merchant settings, make sure the following options are set as follows:
 - Set the operator, station, payment code, default Item Code for this merchant
 - Set the merchant type to "Checkout"
 - Set the storefront type to "Regular"
 - Un-Check the "Email Fulfillment Notifications"
 - Un-Check the "Show Transactions From Other Merchants"
 - Set the Receipt Email to "Do not allow email receipts"
 - Check "Skip Receipts Page"
 - Un-Check "Synchronize online post"
 - Provide a Site Name
 - Un-Check "Allow Partial Payments"
 - Set the "Checkout Request Authentication Method" to "MD5 - Base64 encoded"
 - Put a Secret Key in the "Checkout Request Authentication Key" field and provide share this key with the GoPrint administrator
 - Save the Merchant Settings

2. Create the required Reference Codes

Two custom Reference Type Codes must be created:

- In the System Setup, select the Reference Types link from the Item Information section
- Add a new record to hold the GoPrint Transaction Number
 - Provide a name such as "CCTRANNUM" using Capital Letters
 - Provide a description such as "GoPrint Credit Card Tran Number"
 - Set the Field Type to Text
 - Set the Data Type to Numeric
 - Save

- Add a new record to hold the GoPrint Hash Parameter
 - Provide a name such as "GSDIGEST" using Capital Letters
 - Provide a description such as "GoPrint Digest Key"
 - Set the Field Type to Text
 - Set the Data Type to Alpha
 - Save

3. Configure Storefront

From the eMerchant Administration Console, select "Store Setup"

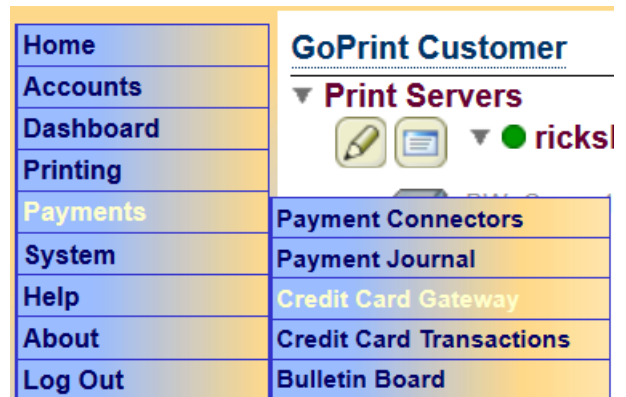
- Once in the Store Setup, select "Store Settings" and confirm the following settings:
 - The Signout URL fields must be blank; as this is provided by the users session
 - The "Do you want to pass information back to the calling system by appending data to the signout URL?" must be set to "Append data and redirect using the HTTP Get method"
- Save all other store setup changes and apply immediately.

4. Create the payment gateway in the GoPrint Control Center

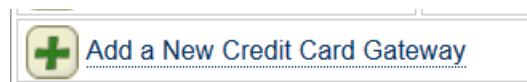
Use the settings as configured in the eMerchant to define the gateway

Configure the CashNet Connector

Navigate to Payments – Credit Card Gateways



Add a New Credit Card Gateway



Select CashNet



Step 1 – General information

New CashNet Credit Card Gateway

This credit card gateway setup only works with the Web Client's add value feature.
Workstations running the Web Client must have access to connect to the payment gateway's web site.

General

Name	<input type="text" value="CashNet"/>
	Only one Credit Card Gateway may be active at a time.
Gateway Flat Fee	<input type="text" value="0.00"/>
Gateway Percentage Fee	<input type="text" value="0.0%"/>
User Flat Fee	<input type="text" value="0.00"/>
User Percentage Fee	<input type="text" value="0.0%"/>
Minimum Deposit	<input type="text" value="5.00"/>
Maximum Deposit	<input type="text" value="25.00"/>
User Agreement URL	<input type="text" value="NONE"/>
	Enter the word NONE if you do not require users to accept a user agreement.
	<input type="checkbox"/> Do not store last four numbers of card used with transaction. Note that selecting this could make the transactions irreconcilable.

Name: Enter a user friendly name to help identify the gateway

Gateway Flat Fee: The value entered here is added to the transaction total and is calculated along with the Gateway Percentage Fee and is used to offset charges incurred from using CashNet's Gateway service.

Gateway Percentage Fee: The value entered here is added to the transaction total and is calculated along with the Gateway Flat Fee and is used to offset charges incurred from using CashNet's Gateway service.

User Flat Fee: The value entered here is added to each successful transaction and is typically used by the GoPrint host to compensate offering the credit card services.

Minimum Deposit: The value here sets the minimum amount allowed for a transaction. (Before the fees listed above are taken into account)

Maximum Deposit: The value here sets the maximum amount allowed for a transaction. (Before the fees listed above are taken into account)

User Agreement URL: This is an optional link. The user agreement is a custom page created by the institution and visible on the Internet. Select NONE if an agreement doesn't exist. This cannot be blank.

Step 2 – Gateway Information

Enter the required information you received from your CashNet administrator.

Important: Items are case-sensitive and must be entered in CashNet. See troubleshooting section.

Gateway

Site Url	<input type="text" value="https://commerce.cashnet.com/goprintcheckout"/>
Merchant ID	<input type="text" value="GOPRINT"/>
Customer Code	<input type="text" value="987654321"/>
Item Code	<input type="text" value="GOPRINT"/>
Retries Allowed	<input type="text" value="0"/>
Merchant Checkout Authentication Settings	The CashNet Credit Card Gateway uses the Checkout Request Authentication Key. The CashNet Merchant settings must have the 'Checkout Request Authentication Key' parameter set to the same value as the Merchant Request Digest Parameter.
Merchant Request Digest Parameter	<input type="text" value="digest"/> This is the name of the request parameter that will hold the Merchant settings (see field labeled 'Checkout Request Authentication Key').
Merchant Request Auth Key	<input type="text" value="ENCRYKEYTEST"/> This is the shared secret authentication key as defined in the Merchant settings (see field labeled 'Merchant Request Authentication Key'). This value is required for the Merchant Request Digest Parameter.
Transaction Key Ref Type	<input type="text" value="CCTRANNUM"/> This is the parameter the GoPrint gateway uses to pass the Merchant Request Digest Parameter.
Transaction Response Ref Type	<input type="text" value="GSDIGEST"/> This is the parameter the GoPrint gateway uses to pass the Merchant Request Digest Parameter. This parameter must be setup as a valid reference type in the Merchant settings.
Transaction Response Secret Hash Key	<input type="text" value="Gs4-CashNetEncrypt"/> This is the secret encryption key that the GoPrint gateway uses to verify that the request originated with us.

Step 3 – Configure the Credit Card Purse

Navigate to: Accounts – Class Definitions – Default User Class (or other)

1. Check Quota
2. Purse Name: enter a user-friendly name used to display to users
3. Save

Class Name: Default User Class

Pay Methods: Mark the Pay Methods that you want to allow for this class and assign names for the purses. The purse names will be shown to users when they are

Type	Purse Name
<input checked="" type="checkbox"/> Quota	Credit Card Fund
<input type="checkbox"/> Allowance	Allowance
<input type="checkbox"/> Value Card	Value Card
<input type="checkbox"/> Cash/Coin	Cash/Coin

Step 4 – Enable the credit card purse at the PayPoint

1. Back to the main page, select your PayPoint
2. Select the Financial tab
3. Check Default User Class – Credit Card Fund Quota (or your choose name. The dialog box expands displaying the following settings.
4. Expand the Add Value Option drop down menu and select "Credit Card to Quota"
5. Save

HINT: If not selected the Credit Card Add Value option will not appear at the web client.

Main Campus Paypoint Properties

General | **Financial** | Prompts | Messages

ACL Permissions

Allowed Purses

When presented to end-users, purses are sorted by their Sort Order numeric value. Purses with the same sort values are sorted by the purse name.

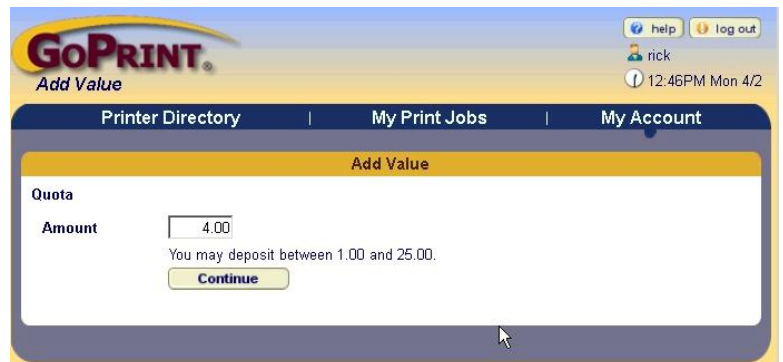
<input checked="" type="checkbox"/> Default User Class - Credit Card Fund (Quota)
Sort Order: 10
Payment Connector: Quota Connector is Automatic
Add Value Option: Not Allowed
Add Value Instructions: Not Allowed
Partial Payment Option: Allow
CC Gateway Acct No:

Testing

Log in to web client and select Add Value then walk through the payment process.



Enter AMOUNT





CONFIRM



At this point, the Cashnet transaction entry page appears:

Enter credit card information

Credit Card Number	<input type="text"/>	 
Expiration Month	Select Month <input type="button" value="v"/>	
Expiration Year	Select Year <input type="button" value="v"/>	We accept:
Cardholder Name	<input type="text"/>	
Address	<input type="text"/>	Enter the address where you receive the bill for this
City	<input type="text"/>	
State/Province/Region	<input type="text"/>	
Zip/Postal Code	<input type="text"/>	
Country	United States <input type="button" value="v"/>	

XXXXXXXXXXXX1111
0317
fred
tadra
rio rancho
NM
87144
United States

If successful, you will be redirected to the GoPrint web client confirmation page.

Mobile Printers | **My Print Jobs** |

Credit Card Receipt

Your deposit has been accepted.
\$3.00 has been deposited into your **Purchased Funds** account.
Click the 'My Account' tab to review your new balance.

CONFIRM YOUR TRANSACTION

Go to My Account – Transaction History to confirm the transaction

The screenshot shows a web interface with a top navigation bar containing 'Printer Directory', 'My Print Jobs', and 'My Account'. The 'My Account' section is divided into two main panels: 'Account' and 'Balances'.

Account Panel:

- User ID: rick
- Name: (empty)
- Email: (empty)

Balances Panel:

Purse	Balance	Credit Available
Quota	\$7.00	\$0.00

An 'Add Value' button is located at the bottom right of the Balances panel.

Below these panels is a 'Transaction History' section with a table:

Tran No	Tran Date	Purse	Note	Debit	Credit
1	04/01 10:41AM	Quota	Credit Card Deposit posted by rick		\$2.00
2	04/01 12:44PM	Quota	Credit Card Deposit posted by rick		\$3.00
3	04/01 12:48PM	Quota	Credit Card Deposit posted by rick		\$2.00

Reviewing transactions

Use Credit Card Transactions to view pending and completed transactions.

The screenshot shows a web interface with a left-hand navigation menu and a main content area titled 'Credit Card Transactions'.

Navigation Menu:

- Home
- Accounts
- Dashboard
- Printing
- Payments
- System
- Help
- About
- Log Out
- Admin Reports
- Printing Reports
- Financial Reports

Main Content Area:

Credit Card Transactions

Start Date: 06/08/2014 12:00 AM | End Date: 07/01/2014

Payment Connectors: (empty field)

Payment Journal: (empty field)

Credit Card Gateway: (empty field)

Credit Card Transactions: (highlighted)

Bulletin Board: (empty field)

Gateway Ref #: (empty field)

Transaction Table:

	CC Tran #	User	Date	Status	Gateway Reference Number
<input type="checkbox"/>	331	rick	2014-06-19 06:07:20	Started	None
<input type="checkbox"/>	345	rick	2014-06-19 07:53:11	Started	None

	CC Tran #	User	Date	Status	Gateway Reference Number	Gateway Messages	Amount	
<input type="checkbox"/>	331	rick	2014-06-19 06:07:20	Started	None		\$6.00	Details
<input type="checkbox"/>	345	rick	2014-06-19 07:53:11	Started	None		\$5.00	Details
<input type="checkbox"/>	372	rick	2014-07-07 08:10:17	Started	None		\$4.00	Details
	371	rick	2014-07-07 04:02:04	Completed	9W722536C2508722M		\$4.00	Details
<input type="checkbox"/>	347	rick	2014-07-02 07:29:19	Started	None		\$3.00	Details

Incomplete transactions display as Started and in PINK

Started transactions are failed transactions and usually the result of networking issues.

GoPrint doesn't make an attempt to re-establish a connection to CashNet so Started transactions can be considered as lost.

	CC Tran #	User	Date	Status	Gateway Reference Number
<input type="checkbox"/>	331	rick	2014-06-19 06:07:20	Started	None
<input type="checkbox"/>	345	rick	2014-06-19 07:53:11	Started	None
<input type="checkbox"/>	372	rick	2014-07-07 08:10:17	Started	None
	371	rick	2014-07-07 04:02:04	Completed	9W722536C2508722M

When this happens the client has the option to click DETAILS and manually approve the transaction.

Home > Transaction Search

Credit Card Transaction Details

Account	rick
Purse	Student Funds
Date	2014-06-19 06:07:20
Pay Point	Main campus
Payment Source	mobileclient
Processing Status	Started
CC Transaction #	331
Gateway Reference Number	
Gateway Messages	none
Amount Attempted	\$6.00
Manual Confirmation	<input type="button" value="Confirmed"/> <input type="button" value="Rejected"/> <input type="button" value="Error"/>

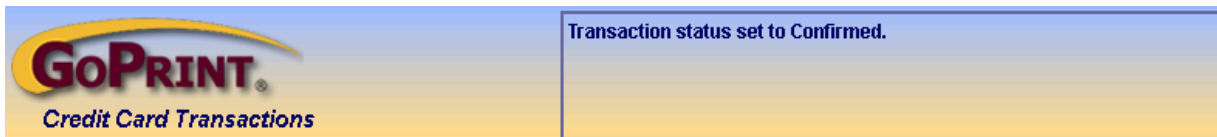


	Amount	
	\$6.00	Details
	\$5.00	Details
	\$4.00	Details
	\$4.00	Details
	\$3.00	Details

Click OK to confirm

Gateway Reference Number	
Gateway Messages	none
Amount Attempted	\$3.00
Are you sure you want to confirm this transaction?	
<input type="button" value="Ok"/>	<input type="button" value="Cancel"/>

Transaction Confirmed and amount added to account.



Financial Reports

Admin Reports	
Printing Reports	
Financial Reports	Transaction Inquiry
	Export Transactions
	Account Roster
	Account Activity Report
	Account Usage Report
	Ledger Report
	Cashier Journal Report
	Cashier Closing Report
	Credit Card Usage Report
	Credit Card Transactions

1. Credit Card Usage Report
2. Credit Card Transactions

Credit Card Usage Report

Credit Card Usage Report

Rejected Credit Card Transactions

Account ID	Gateway Reference	Date	Deposited	Total Amount
rick	null	7/7/14 3:39 AM	0.00	6.00
Totals for Rejected transactions :			\$ 0.00	\$ 6.00

Completed Credit Card Transactions

Account ID	Gateway Reference	Date	Deposited	Total Amount
rick		6/19/14 7:06 AM	3.00	3.00
rick		6/19/14 8:01 AM	4.00	4.00
rick	9W722536C2508722	7/7/14 4:02 AM	4.00	4.00
rick		6/19/14 6:58 AM	6.00	6.00
rick		6/19/14 7:03 AM	6.00	6.00
Totals for Completed transactions :			\$ 23.00	\$ 23.00

Transaction Inquiry

Under every credit card gateway there's the option to View Transactions:

Edit CashNet Credit Card Gateway



This credit card gateway setup only works with the Web Client's add value feature. Workstations running the Web Client must have access to connect to the payment gateway's web site.

General

Name

cashnet

Active



View Transactions

Related Activities

Transaction Inquiry

The Transaction Inquiry shows all Transactions matching the given criteria.

Start Date	<input type="text" value="06/19/2014 12:00 AM"/>	End Date	<input type="text" value="07/08/2014 11:59 PM"/>
Transaction #	<input type="text"/>	Account ID	<input type="text" value="Paypal"/>
Purse	<input type="text" value="(All)"/>	Class	<input type="text" value="(All)"/>
Pay Method	<input type="text" value="(All)"/>	Point of Sale	<input type="text" value="(All)"/>

Found 4 transactions

Tran #	Account ID	Acct Type Tran Type	Purse & PayMethod	User Class	Date Time	Posted By	Note	Debit	Credit
1231	Paypal	Contra Asset CCD	Student Funds Quota	Default User Class	2014-06-19 06:59:21	Paypal	Credit Card Deposit posted by Paypal	6.00	
1232	Paypal	Contra Asset CCD	Student Funds Quota	Default User Class	2014-06-19 07:03:39	Paypal	Credit Card Deposit posted by Paypal	6.00	
1233	Paypal	Contra Asset CCD	Student Funds Quota	Default User Class	2014-06-19 07:06:46	Paypal	Credit Card Deposit posted by Paypal	3.00	
1251	Paypal	Contra Asset CCD	Student Funds Quota	Default User Class	2014-06-19 08:02:26	Paypal	Credit Card Deposit posted by Paypal	4.00	
Totals								19.00	0.00

Click the Trans# number to view what Quota Account it was posted to:

Found 2 transactions

Tran #	Account ID	Acct Type Tran Type	Purse & PayMethod	User Class	Date Time	Posted By	Note	Debit	Credit
1231	Paypal	Contra Asset CCD	Student Funds Quota	Default User Class	2014-06-19 06:59:21	Paypal	Credit Card Deposit posted by Paypal	6.00	
1231	rick	Contra Asset C	Student Funds Credit Card Deposit	Default User Class	2014-06-19 06:59:21	rick	Credit Card Deposit posted by rick		6.00
Totals								0.00	0.00

Troubleshooting

The image shows a configuration window on the left and a browser window on the right. The configuration window has the following fields:

User Flat Fee	0.00
User Percentage Fee	0.0%
Minimum Deposit	1.00
Maximum Deposit	25.00
User Agreement URL	NONE
Gateway	
Site Url	https://commerce.cashnet.com/goprintcheck
Merchant ID	GOPRINT
Customer Code	987654321
Item Code	GOPRINT
Retries Allowed	0
Merchant Checkout Authentication Settings	The CashNet Credit Card Gateway uses the Check The CashNet Merchant settings must have the 'Ch
Merchant Request Digest	digest

The browser window shows an error message: "The page you requested could not be located." Below it, in large blue text, it says "SITE URL INCORRECT!". A red arrow points from the error message to the Site Url field in the configuration window.

Incorrect Reference Type (See GS4Logs\run.log)

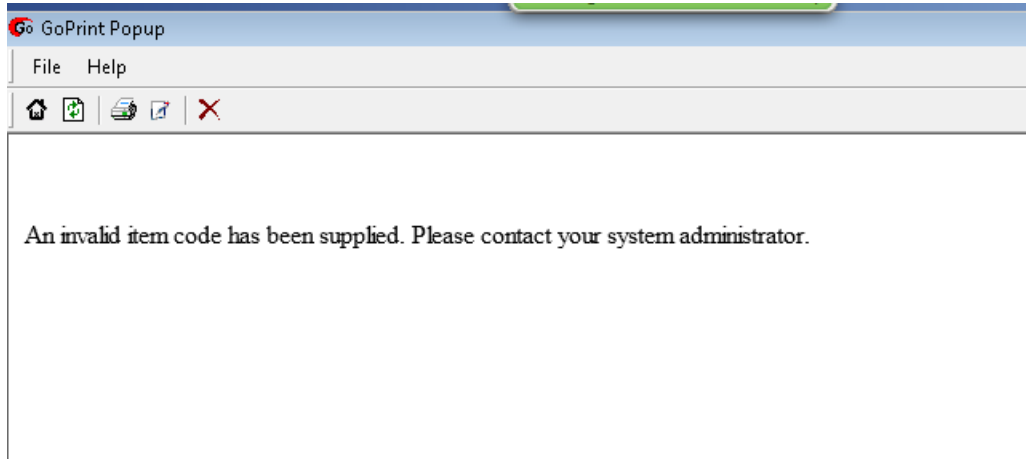
Note that selecting this could make the transactions irreconcilable.

The image shows a configuration window on the left and a browser window on the right. The configuration window has the following fields:

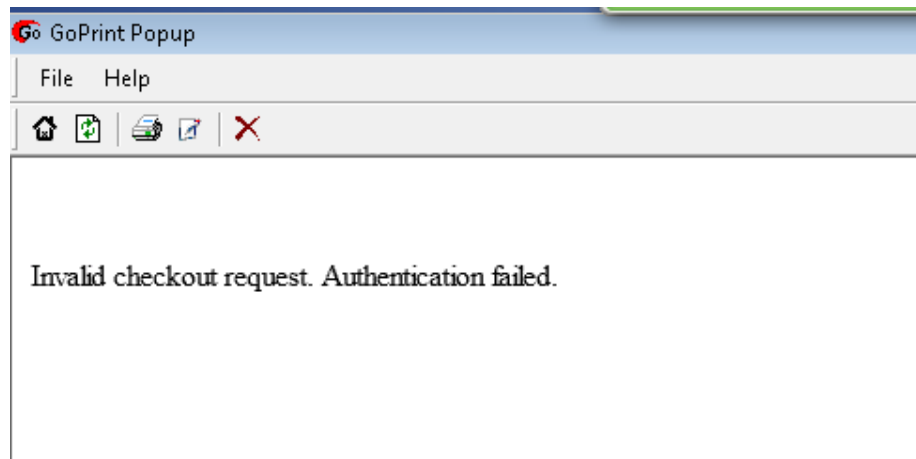
Site Url	https://commerce.cashnet.com/goprintcheck
Merchant ID	GOPRINT
Customer Code	987654321
Item Code	GOPRINT
Retries Allowed	0
Merchant Checkout Authentication Settings	The CashNet Credit Card Gateway uses the Check The CashNet Merchant settings must have the 'Ch
Merchant Request Digest	digest
Merchant Key	ENCRYKEYTEST
Merchant Type	TRANNUM
Merchant Ref	GSDIGEST
Merchant Secret	Gs4-CashNetEncry

The browser window shows an error message: "Web Client Hangs". Below it, in red text, it says "Issue: the Reference types do match. Either the name supplied is incorrect, misspelled, or case doesn't match: items are case sensitive". Two red arrows point from the error message to the Merchant Type and Merchant Ref fields in the configuration window.

OR SAME ERROR



OR



Review GS4\logs\RUN.log to confirm cause of error!

Unsuccessful Transaction due mismatched incorrect Reference Type

[WebServer-130:servlet.CreditCardPostBackServlet] Received credit card gateway callback to /CreditCardConfirm for user test

[WebServer-130:creditcard.CreditCardManager] Processing credit card gateway callback using CashNetCreditCardPaymentGateway

ERROR [WebServer-130:gateway.CashNetCreditCardPaymentGateway] The expected response parameter GSDIGEST was not found

ERROR [WebServer-130:gateway.CashNetCreditCardPaymentGateway] A CashNet credit card transaction postback was received for user test @ 0:0:0:0:0:0:1, but authenticity of of the response failed verification and it will not be processed

Successful Transaction

```
[WebServer-163:servlet.CreditCardPostBackServlet]
Received credit card gateway callback to /CreditCardConfirm for user rick
[WebServer-163:creditcard.CreditCardManager ]      Processing credit card gateway callback
using CashNetCreditCardPaymentGateway
INFO [WebServer-163:gateway.CashNetCreditCardPaymentGateway]      CashNet
confirmation [com.goprint.types.CreditCardProcessStatus@2] received for 4.00, returning user
tohttps://goprintdemo:7773/action/user/UserCreditCardRemoteReceiptAction?accountKey=545
&ccTranKey=778
[WebServer-163:accounting.TransactionBuilder ]      Posting transaction #1531 consisting of
2 ledger entries [debits=4.00, credits=4.00]
```