



Hosting Controller 7C Gateway Open API Manual

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Introduction

HC7 provides an Open API for HOSTADMIN that allows your company to seamlessly integrate your own payment gateway in HC7. Integrating gateway means that your gateway will be fully functional with the panel and this can be done with just few clicks and without even writing a single line of code at backend. The only requirement is to have complete knowledge about the required (new) gateway, the kind of variables it accepts and the correct format for each variable. You mainly need to provide this information correctly and the panel will easily do the rest.

A payment gateway is a combination of software and hardware components that performs credit card information processing over the internet. HC7 has fully integrated billing with panel and gateways help to receive online payments from your customers.

HC7 supports five well-known international gateways, which are completely configured and tightly integrated with billing module.

- WorldPay
- Authorize.Net
- LinkPoint
- PayPal
- 2CheckOut

This document covers the configuration of existing gateways and steps involved in integration of new gateway through open API.

Configuring existing gateways

Configuring gateways may involve your merchant account information and some basic gateway information. Different gateways require combination of the above mention entries.

Discussed below are the configurations for each gateway separately.

Configuring WorldPay (<http://worldpay.com>)

WorldPay is one of the supported gateways by HC7. WorldPay enables you to accept payments on the internet, by phone, fax or mail, credit and debit cards.

To configure WorldPay provide the following information:

Variable Name	Type	Description	Mandatory	Possible Values
WorldPay Installation ID	Numeric	Merchant account id given by WorldPay when you signup.	Yes	45454
Test Transaction	Numeric	Variable used to switch the gateway mode (live, test).	Yes	100 for test and 0 for live

Configuring Authorize.Net (<http://authorize.net>)

Authorize.Net provides Internet Protocol (IP) payment gateway services which enable merchants to authorize settle and manages credit card or electronic check transactions anytime, anywhere.

To configure Authorize.Net provide the following information:

Variable Name	Type	Description	Mandatory	Possible Values
Authorize.Net Login Name	String	The login name for the Authorize.Net account.	Yes	fsk4kk3
Transaction key obtained from the Merchant Interface	String	A unique transaction key from Authorize.Net while signup.	Yes	dJHcfrG8TL561vbhQ
Test Transaction	String	Variable used to switch the gateway mode (live, test).	Yes	Enter TRUE for test and FALSE for live
Payment Mode	String	Variable used to switch the gateway authorization mode.	Yes	AUTH_CAPTURE AUTH_ONLY

Configuring LinkPoint (<http://linkpoint.com>)

LinkPoint is a leading commerce transaction company, serving both the online and traditional brick-and-mortar business worlds. Through its comprehensive, end-to-end transaction processing technology, LinkPoint meets the full range of merchants' needs, affording them the utmost in convenience, usability and dependability.

To configure LinkPoint provide the following information:

Variable Name	Type	Description	Mandatory	Possible Values
Store Name	Numeric	The LinkPoint store name is given to you when you registered for LinkPoint account.	Yes	1529103249
Path to LinkPoint .PEM file	String	The path where you have placed your certificate obtained from LinkPoint interface. Recommended location is in HC7 installation folder.	Yes	C:\Program Files\Advanced Communications\Hosting Controller 7C\1304617792.pem
Test Transaction	String	Variable used to switch the gateway mode (live, test).	Yes	GOOD for test and LIVE for live
Order Type	String	Variable used to switch the gateway authorization mode.	Yes	SALE or VOID

Configuring PayPal (<http://paypal.com>)

PayPal is an Internet business which allows the transfer of money between email users, avoiding traditional paper methods such as checks/cheques and money orders. PayPal also performs payment processing for e-commerce vendors, auction sites, and other corporate users, for which they charge a fee.

To configure PayPal provide the following information:

Variable Name	Type	Description	Mandatory	Possible Values
PayPal Email Address	String	Enter the PayPal e-mail address where remittance will be made.	Yes	myid@paypal.com
Command Type	String	Variable used to switch the gateway current transaction mode.	Yes	_xclick
Send IPN	String	Variable used to specify if you want to send IPN URL along with the request.	Yes	Yes/No
IPN URL	String	URL where you want to receive IPN.	Yes	http://www.YourDomain.com:8787/BillingManger/PaymentResponse.aspx?Gateway=PayPal

Configuring 2CheckOut (<http://2checkout.com>)

2CheckOut (shortly known as 2CO) is a payment gateway, which is supported by HC7 built-in billing system. 2CO provides a customizable transaction processing system that integrates the most up-to-date security features available with a profitable commission payment and you establish a competitive business.

To configure 2CO provide the following information:

Variable Name	Type	Description	Mandatory	Possible Values
Account Number	Numeric	Account number that is given by the 2CO.	Yes	12325
Test Transaction	String	Variable used to switch the gateway mode (live, test).	Yes	Enter Y for test and leave empty for live
Your Product Id	Numeric	Product Id obtained from 2CO interface.	Yes	1233

Integrate new gateway with HC7

Gateway Open API allows you to integrate your own gateway with panel, so you get instant payments through HC7.

Prerequisites

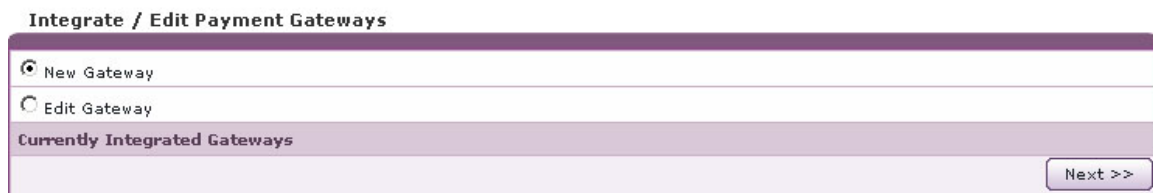
To integrate your gateway:

- You should have core knowledge of gateway to be integrated.
- You should read the gateway integration document in detail and should know about the name, value and purpose of each variable used to configure it.

Steps to integrate new gateway

Follow the steps below to integrate your gateway with HC7.

Step 1: Login to HC7 as HOSTADMIN. Click “Billing Manager”, and then click on “Integrate / Edit Payment Gateways” button. Select “New Gateway” option and click “Next” Button.



Step 2: In first screen of gateway integration wizard, you are displayed the variables related to gateway and customer information. Explained below are each and every variable and its purpose in detail.

This screen contains two subsections:

- Request Variables
- Response Variables

Configure Gateway Integration

Request Variables	
Gateway Name :	<input type="text"/>
Gateway URL :	<input type="text"/>
Card Customer ID Variable :	<input type="text"/>
Card First Name Variable :	<input type="text"/>
Card Last Name Variable :	<input type="text"/>
Payment Description Variable :	<input type="text"/>
Card Number Variable :	<input type="text"/>
Card Type Variable :	<input type="text"/>
Card CVV2 Variable :	<input type="text"/>
Date takes separate variables for Month and Year :	<input type="checkbox"/>
Card Expiray Date Variable :	<input type="text"/>
Card Expiray Date Format :	MMYY <input type="button" value="v"/>
Card Address Variable :	<input type="text"/>
Card City Variable :	<input type="text"/>
Card Country Variable :	<input type="text"/>
Card Postal Code Variable :	<input type="text"/>
Card Phone Number Variable :	<input type="text"/>
Card Fax Variable :	<input type="text"/>
Card Email Variable :	<input type="text"/>
Decimal Positions in Amount :	<input type="text" value="2"/>
Transaction ID :	<input type="text"/>
Amount Variable :	<input type="text"/>
Amount Multiplier :	<input type="text" value="1"/>
Minimum Charge :	<input type="text" value="10"/>
Is HTML Only :	<input type="checkbox"/>
Currency Code Variable :	<input type="text"/>
Response Variables	
Response Variable :	<input type="text"/>
Response Approval :	<input type="text"/>

Request Variables

These variables are related to gateway and customer information. While making payment, these variables will be populated with the relevant customer profile and will be sent to the gateway. For a valid transaction, these entries must be filled accurately.

Variable Name	Type	Description	Mandatory	Possible Values
Gateway Name	String	The official unique name for the gateway.	Yes	Chornopay
Gateway URL	String	URL where payment request is executed.	Yes	http://chronopay.com
Card Customer ID Variable	String	The variable which contains Customer Id.	Yes	resadmin
Card First Name Variable	String	The variable which holds First Name of customer.	Yes	John
Card Last Name Variable	String	The variable which holds Last Name of customer.	Yes	Handy
Payment Description Variable	String	The variable which holds Description of payment to be made.	No	Recurring plan payment
Card Number Variable	String	The variable which holds credit card of customer.	Yes	credit-card
Card Type Variable	String	The variable which holds credit card type of customer.	Yes	card-type
Card CVV2 Variable	String	The variable which holds four digit unique identifier of credit card.	Yes	card-cvv2
Date takes separate	Boolean	It's a Boolean value to	Yes	True/False

variables for Month and Year		specify gateway have separate variables for month and year or they take month and year in the same variable.		
Card Expiry Date Variable	String	The variable which holds expiry date of customer's credit card.	Yes	expiry-date
Card Expiry Month Variable	String	If gateway takes month and year in separate variables then what will be the month variable.	Yes	expiry-month
Card Expiry Year Variable	String	If gateway takes month and year in separate variables then what will be the year variable.	Yes	expiry-year
Card Expiry Date Format	String	If gateway takes month and year in same variables then what will be the date format.	Yes	MMYY/MMYYYY/MM-YY
Card Address Variable	String	The variable, which holds the address of customer.	Yes	street-address
Card City	String	The variable,	Yes	cust-city

Variable		which holds the city name of customer.		
Card State Variable	String	The variable that holds the state name of customer.	Yes	cust-state
Card Country Variable	String	The variable, which holds the country name of customer.	Yes	cust-country
Card Postal Code Variable	String	The variable that holds the postal code of customer.	Yes	postal-code
Card Phone Number Variable	String	The variable that holds the phone number of customer.	Yes	phone-number
Card Fax Variable	String	The variable that holds the fax number of customer.	Yes	fax-number
Card Email Variable	String	The variable, which holds the email address of customer.	Yes	email-address
Decimal Positions in Amount	Numeric	Precision of the gateway.	Yes	1, 2, 3, 4 ...
Transaction ID	String	The variable, which holds a unique transaction id for each payment made.	Yes	trans-id
Amount Variable	String	The variable, which holds the amount of payment to be made.	Yes	amount

Amount Variable :	Numeric	The value, which is to be multiplied before transaction.	Yes	1, 2, 3, 4 ...
Minimum Charge	Decimal	The minimum amount to be charged in any transaction.	Yes	5, 10, 13 ...
Is HTML Only	Boolean	Gateway is HTML based or API based	Yes	True/False
Currency Code Variable	String	The variable, which holds currency in which payment is to be made.	Yes	gateway-curr

Response Variables

Each gateway sends some response to requested URL which has information related to status of payment. This detail is also in some specific gateway variables. By entering these additional variables in HC7 you are able to integrate any HTML gateway without writing its response or payment notification pages.

Variable Name	Type	Description	Mandatory	Possible Values
Response Variable	String	The variable which contains the status of transaction.	Yes	tans-status
Response Approval	String	It is the response send by gateway in case of successful payment.	Yes	Y/Yes/Authorized

Step 3: After filling this form press "Next" to proceed.

Step 4: Every gateway also takes some information about merchant or account holder. These variables are covered in this screen. Now at this

step you have to add those variables, which are merchant or owner specific like merchant account id, login name and call back passwords. So here, you have to enter the name, description, default value of these variables. In addition, you have to specify that this variable is required to be sent in request or not? Moreover, if this variable is fixed for each reseller?

Add / Delete Custom Variables

Variable Name	Variable Description	Fixed Value	Http Post Variable	Action
No Customize variable found				
Variable Name :		<input type="text"/>		
Variable Description :		<input type="text"/>		
Variable Value :		<input type="text"/>		
Has Fixed Value :		<input type="checkbox"/>		
Http Post Variable :		<input checked="" type="checkbox"/>		
				<input type="button" value="Save & Continue"/> <input type="button" value="Save & Return"/>

Entity Name	Type	Description	Possible Values
Variable Name	String	The name of variable.	login-name
Variable Description	String	Brief description of variable.	Login Name of merchant
Variable Value	String	Default value for this variable (if any).	Null
Has Fixed Value	Boolean	Either this variable's value varies for different reseller or not.	True/False
Http Post Variable	Boolean	Either this variable is to be sent to with request or not.	True/False

After adding all required variables press "Save and Return" to complete the integration. Now your gateway is completely integrated

with HC7. Now activate it from “My Server :: Configure Payment Gateways”.

Payment Gateways Settings

Gateway	Activated	Configured	Default	Action
<input checked="" type="checkbox"/> WorldPay	Yes	Yes	N/A	<input type="button" value="Configure Gateway"/>
<input checked="" type="checkbox"/> Authorize.Net	Yes	Yes	<input type="radio"/>	<input type="button" value="Configure Gateway"/>
<input checked="" type="checkbox"/> LinkPoint	Yes	Yes	<input type="radio"/>	<input type="button" value="Configure Gateway"/>
<input checked="" type="checkbox"/> PayPal	Yes	Yes	N/A	<input type="button" value="Configure Gateway"/>
<input checked="" type="checkbox"/> 2CheckOut	Yes	Yes	N/A	<input type="button" value="Configure Gateway"/>
<input type="checkbox"/> Chornopay	No	Yes	<input type="radio"/>	N/A

Check the checkbox to activate the gateway. “Configure Gateway” button will appear in front of activated gateway. Click on it to set merchant end configuration.

After these steps, your gateway is fully configured with the panel and you can receive payments via this gateway.

If you have any question regarding any of your own gateway or if you have any confusion regarding this document, please feel free to contact us.

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