



## GATEWAY CONFIGURATION GUIDE

# PowerCharge



Service



Support



Education



Add-ons

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# Overview

This document will outline the steps in configuring the processing gateways that can be used with PowerObjects' PowerCharge add-on.

## eProcessing Networks Configuration

1. Login to the eProcessing website with your user ID and password:  
<https://www.eprocessingnetwork.com/MSCLogin.html>

2. Select 'Processing Control'



3. Verify that the box for TDBE is **not** checked. If this box is checked, attempts to communicate with ePN will return as 'UBlocked'

### Disabled Integrations

This section prevents access to the selected integrations.

Authorize.net™ Emulation  Required for Mobilescope devices.

DBE (Database Engine)

Miva Merchant

TDBE (Transparent Database Engine)  Required for Way Systems devices.

Web Order/ePNCart

Save Disabled Integrations



6. Scroll down to the 'pre-processing' section and set both Transaction Attempts to 100 and 5. Then click the "Update Attempts," button.

### Pre-Processing

Merchants utilizing **s Web Order Template** (including **s Cart**, **Product Page Generator** and **Order Form Generator**), as well as **s Database Engine Template** can limit the number of attempts within a fixed time period that a customer can make.

#### Transaction Attempts

Max Approved Transactions Per IP:

within minutes:

*Limiting the maximum number of approved transactions per IP within a fixed number of minutes reduces fraud by deterring hackers from using your Web site to test automatically-generated databases of credit card numbers.*

Max Declined Transaction Attempts Per IP:

within minutes:

*Limiting the maximum number of declined transactions per IP within a fixed number of minutes keeps customers from **trying until they get it right**. This is especially useful when **Process Transactions As (below)** is set to **AuthConvert***

*Setting 'Max ... Transactions Per IP' or 'within minutes' to 0 allows unlimited attempts.*

## Beanstream Configuration

### BeanStream Merchant ID

1. In a browser navigate to <https://www.beanstream.com/admin/sDefault/asp>
2. Enter your merchant credentials
3. Navigate to configuration > payment profile configuration
4. Under the Security Settings section select 'API Access Passcode'
5. Click 'Generate New Code'
6. Scroll to the bottom of the page and locate the 'Update' button
7. Click the 'Update' button to save all changes
8. Enter the API passcode into the appropriate PowerCharge Configuration field



## BeanStream Transaction Username & Password

1. In a browser navigate to <https://www.beanstream.com/admin/sDefault/asp>
2. Enter your merchant credentials
3. Navigate to administration > order settings
4. Check the option for "Use username/password validation against transaction"
5. Click the 'Update' button to save all changes
6. Enter the values into the appropriate PowerCharge Configuration fields



Secure Payment Profile:

**Transaction Validation Options**

- Restrict Internet Transaction Processing Types
  - Purchase only  Pre-Authorization only  Purchase or Pre-Authorization only
- Require CVD number for credit card transactions
- Require PGP signing of all transactions
  - PGP Public Key:
  - PGP Encryption:  Off  On
- Validate referring host address
  - Referring Host:
- Validate orders against inventory
- Use username/password validation against transaction
  - User Name:
  - Password:
- Require hash validation on all Payment Gateway transaction requests
- Include hash validation in Transaction Response Page redirection and Payment Gateway Response Notification
  - Hash key:
  - Hash algorithm:  MD5  SHA-1
- Billing address optional
- Card owner name optional

## BeanStream API Passcode

1. In a browser navigate to <https://www.beanstream.com/admin/sDefault/asp>
2. Enter your merchant credentials
3. Navigate to configuration > payment profile configuration
4. Under the Security Settings section select 'API access passcode'
5. Click 'Generate New Code'
6. Scroll to the bottom of the page and locate the 'Update' button
7. Click the 'Update' button to save all changes
8. Enter the API Passcode into the appropriate PowerCharge Configuration field



**administration**

**configuration**

- secure workspace
- payment form
- payment profile webform
- payment profile configuration**

**processing**

**reporting/analysis**

logout

### Payment Profile Configuration

▼ General Settings

- Process all payment profile transactions as recurring payments
- Require unique order numbers
- Do not allow profile to be created with billing information duplicated from an existing profile
- Default to payment profile reference fields for transactions through Process Transaction API

▼ Security Settings

**API access passcode:**

(32 characters string is recommended)

Hash validation is required for all Payment Profile API operation requests

Hash key:

Hash algorithm:  MD5  SHA-1

- Allow partial hash validation for all Payment Profile API operation requests
- Include hash validation in return URL redirection and payment profile response notification



- administration
- configuration
- ▾ processing
  - web terminal
  - payment profile
- reporting/analysis
- logout

Name:

Address 1:

Address 2:

City:

Province/State:

Country:

Postal/Zip:

Email:

Phone:

**Reference Fields**

Ref 1 (ref1):

Ref 2 (ref2):

Ref 3 (ref3):

Ref 4 (ref4):

Ref 5 (ref5):

**Credit Card Number**

Card Owner:

Card Number:

Card Expiry:

**Comments**

Process Transaction Delete Update History Close



Welcome Administrator!

Merchant ID:  Currency: USD

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Account: Joe CRM Transactions: 1 Total: \$1.99 Trans./Page: 25 1-1 of 1, Page 1 of 1

Trn ID	Date/Time	Type	Amount	Aprv. Code	
10000063	1/11/2012 11:40:50 AM	P	1.99	TEST	✓

## BeanStream Allow Return Transactions

1. In a browser navigate to <https://www.beanstream.com/admin/sDefault/asp>
2. Enter your merchant credentials
3. Navigate to administration > account > order settings
4. Uncheck the option for "Restrict Internet Transaction Processing Types" **Note:** leaving this option checked with the 'Purchase only' radio button selected will allow PowerCharge to process charges, but will block all refund transaction attempts.
5. Click the 'Update' button to save all changes



**administration**  
membership  
home  
company info  
**account**  
transaction filtering  
login restrictions  
email receipts  
**order settings**  
tax settings  
language  
user manager  
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configuration  
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logout

### Order Settings

#### Transaction Response Pages

Approval Redirect:

Decline Redirect:

#### Response Notification

Payment Gateway::

Membership Area:

Recurring billing:

Secure Payment Profile:

#### Transaction Validation Options

Restrict Internet Transaction Processing Types

Purchase only    Pre-Authorization only    Purchase or Pre-Authorization only

Require CVD number for credit card transactions

Require PGP signing of all transactions

PGP Public Key:

PGP Encryption:  Off    On

If you have any trouble finding this information, please contact your merchant account representative

# Authorize.net Configuration

Before your Start

Verify that the Customer Information Manager (CIM) has been enabled on your Authorize.Net account. Failure to activate CIM will result in the following error message when attempting to tokenize credit cards with PowerCharge:

“E00044 Customer Information Manager in not enabled”

A full list of error codes and requirements can be found in the documentation publicly available on Authorize.net’s CIM webpage: <http://developer.authorize.net/api/cim/>

## PowerCharge Setup

1. After registering the component with PowerObjects in the ‘Profile Tab’ click the ‘Gateway Setup Tab’ on the configuration screen
2. Select Authorize.net Group option from the dropdown menu and press the ‘Add Item(s)’ button. A list of required configuration values will appear in the list. These values are required for PowerCharge to properly communicate with Authorize.net

**POWEROBJECTS** Trial Expires on 08/23/2012

Profile Gateway Setup Payment History

Save Authorize.Net Group Add Item(s) Remove Setting

Name	Value
EncryptionKey	[REDACTED]
EncryptionRGB	[REDACTED]
License	[REDACTED]
Transaction Number	100001
AuthorizeNet ApiLogin	<Required>
AuthorizeNet TransactionKey	<Required>
AuthorizeNet Mode	Live

Status: Trial

3. If you do not know your API Login and Transaction Key, follow these steps:
  - a. Log-in to your Authorize.net administrator account
  - b. Navigate to the ‘Account’ tab and select ‘Settings’ on the left navigation bar

- c. Click the option from the list labeled, "API Login ID and Transaction Key"

The screenshot shows the Authorize.Net user interface. At the top, there are links for Feedback, Contact Us, Help, and Log Out. Below the navigation bar, the 'Account' menu is selected, and the 'Settings' sub-menu is open. The 'Settings' page contains several sections: Transaction Format Settings, Security Settings, and Business Settings. The 'API Login ID and Transaction Key' option is highlighted in yellow under the 'General Security Settings' section.

- d. The API Login will be listed near the center of the page
- e. Answer the secret question and press 'Submit' to issue a new Transaction Key
- \*\*WARNING\*\*** to avoid service disruptions on other systems integrated with your Authorize.net account speak with your system administrator before requesting a new Transaction Key.

## API Login ID and Transaction Key

[Help](#)

Your API Login ID and Transaction Key are unique pieces of information specifically associated with your payment gateway account. However, the API login ID and Transaction Key are NOT used for logging into the Merchant Interface. These two values are only required when setting up an Internet connection between your e-commerce Web site and the payment gateway. They are used by the payment gateway to authenticate that you are authorized to submit Web site transactions.

**IMPORTANT:** The API Login ID and Transaction Key should not be shared with anyone. Be sure to store these values securely and change the Transaction Key regularly to further strengthen the security of your account.

For more information about the API Login ID and Transaction Key, please refer to the [Reference & User Guides](#) or contact your Web developer.

API Login ID: XXXXXXXXXX  
API Login ID Last Obtained: 07/10/2012 10:22:31  
Transaction Key Last Obtained: 07/10/2012 10:23:00

### Create New Transaction Key

\* Required Fields

You may obtain a new Transaction Key as often as you wish by providing your Secret Answer. You may choose to disable the old one immediately by checking the **Disable Old Transaction Key(s)** option. If you do not immediately disable the old value, it will automatically expire in 24 hours.

Secret Question: What is your pet's name?

Secret Answer:  \*

Disable Old Transaction Key(s)

- If you are using an Authorize.net Sandbox account you will need to change the value of the Authorize.net Mode setting

	Value	Target
<a href="#">AuthorizeNet Mode</a>	Live	Live Authorize.Net account
<a href="#">AuthorizeNet Mode</a>	Test	Authorize.Net Sandbox



Sandbox and Live modes use different authentication credentials. Failure to use the correct API Login and Transaction Key with the appropriate Authorize.net mode will result in error code: E00007 when attempting to save a credit card in PowerCharge

For a full list of response and error codes, please review the CIM documentation in the Developer Center of Authorize.net's website: <https://www.authorize.net/>

- Once you have placed the API and transaction Keys in the appropriate places in the Gateway Setup Tab, select the 'Save' button

**POWEROBJECTS** Trial Expires on 08/23/2012

Profile **Gateway Setup** Payment History

Save Authorize.Net Group Add Item(s) Remove Setting

Name	Value
EncryptionKey	[REDACTED]
EncryptionRGB	[REDACTED]
License	[REDACTED]
Transaction Number	100001
AuthorizeNet ApiLogin	yshkk388Kdjwq
AuthorizeNet TransactionKey	lslkj(#IOkl3jkKslk3LKGk=
AuthorizeNet Mode	Live

Status: Trial

Once these values have been successfully saved in the configuration screen, PowerCharge is ready to begin tokenizing credit cards.

### Other Notable Features

- PowerCharge supports refunds with Authorize.net. However, Authorize.net settles transactions as a batch only once per day, so attempts to refund against a transaction that has not yet been settled will result in the error: "E00027 – The referenced transaction does not meet the criteria for issuing a credit"

Batch transaction settlements can take 24-30 hours depending on the time of transaction and settlement workload of the Authorize.net system

- For security reasons, once a credit card is tokenized with Authorize.net, any changes to the values on a CRM record will not be reflected in the CIM interface. Unless, the credit card number and CCV are re-entered on the CRM record at the time the other values are updated.
- Deleting a credit card record in CRM will result in the deletion of the corresponding payment profile in Authorize.net's CIM interface. Any remaining PowerCharge transaction records will stay in CRM.
- By default, Authorize.net will send a transaction receipt to the email address listed on the PowerCharge credit card form. This can be disabled in the Account > Settings > Email Receipt section of the Authorize.net administration area.
- The email address, Parent Account and Contact will be listed in the Payment Profile along with the name on the credit card. This allows for easy searching within the CIM interface.



Credit Card

**New**

Credit Cards

---

**▼ Credit Card Owner**

Account +  PowerObjects 

Contact +  Joe CRM 

**▼ Credit Card**

Type \* Visa

Name \* Joe CRM

Number \* 4007000000027

Exp Month (mm) \* 12      CCV 123

Exp Year (yy) \* 15      Payment Gateway + Authorize.NET

Encrypted Token

Credit Card Status

**Billing Address**

First Name + Joe      City Minneapolis

Last Name + CRM      State MN

Street 1 \* 718 Washington Ave N      Zip \* 55401

Street 2       Country USA

**Contact Information**

Phone Number 612.339.3355      Email Address sales@powerobjects.com

**► Maintenance**

Status **Active**

## Customer Information Manager

[Help](#)

Use the Customer Information Manager (CIM) to create and manage customer profiles and/or use the CIM API Guide in the [Integration Center](#) to integrate CIM to your website or proprietary business application.

Note: Integrating the CIM API to your Web site requires the expertise of a Web developer. If you need help we recommend contacting an [Authorize.Net Certified Developer](#)

-- Select One --   [Advanced Search](#)

[+ Add Profile](#) | [View Profile](#) | [Delete Profile](#)

1-3 of 3 results

Profile ID ▼	Customer ID	Email	Description
<a href="#">8670198</a>	Joe CRM	sales@powerobjects.c...	PowerObjects - Joe C...
<a href="#">8670199</a>	Joe CRM	sales@powerobjects.c...	PowerObjects - Joe C...
<a href="#">8670200</a>	Joe CRM	sales@powerobjects.c...	PowerObjects - Joe C...

1-3 of 3 results

- Once the record is saved, the credit card is encrypted and the CCV value is removed from the form. These values are also encrypted within the CIM interface. These values will not touch the CRM database to ensure PCI compliance.

**▼ Credit Card**

Type \*

Name \*

Number \*

Exp Month (mm) \*  CCV

Exp Year (yy) \*  Payment Gateway +

Encrypted Token

Credit Card Status



## Payment Profile

[Help](#)

Enter the information for each field listed below.

\* Required Fields

Edit Payment Profile: **XXXXXXXX**

### Billing Information

Customer Type:

First Name:

Last Name:

Company:

Address:

City:

State/Province:

Zip/Postal Code:

Country:

Phone:

Fax:

Create a Shipping Profile from the information above

### Payment Information

Payment Type  Credit Card  Bank Account

Accepted Methods: Visa, MasterCard, American Express, Discover

Card Number:  \*

Expiration Date:  \* (mmyy)

### Validate Profile

Perform credit card authorization before saving data.

