
PDG Software

Google Checkout Guide

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Contents

Chapter 1	Google Checkout Guide	3
	Introduction.....	3
	Considerations	4
Chapter 2	Configure Web Site Files	5
	Install Second Instance of Executable	5
	Provide Access to PDG_Commerce	6
	Set Up HTTP Basic Authentication.....	7
Chapter 3	Configure PDG Merchant Administrator	11
	Getting Started	11
	Google Checkout Settings	11
	Google Checkout Shipping Options	12
	Google Checkout Web Site Navigation.....	13
	Considerations	13
	Finalize Settings.....	14
Chapter 4	Configure Google Checkout Account	15
Chapter 5	Add PDG Tag	17

Google Checkout Guide

Integrating PDG Software with Google Checkout

This guide assumes that you have a Google Checkout account. This guide also assumes that your web site has a secure connection (access with https). Your PDG Software program must be on patch 4.70.01.51 or higher. You can access PDG Software upgrades at the following address: <http://www.pdgsoft.com/upgrade.htm>.

This guide assumes you have a working knowledge of FTP and access to an FTP program.

Introduction

PDG Software has recently completed our integration of the Google Checkout payment processing engine into our ecommerce shopping cart applications.

Google Checkout provides a simple checkout process for purchasing customers. Registered users can select the Google Checkout option within the PDG enabled store, log in to their account within Google's secure site, and complete their purchase without having to fill in any information! New users can easily register for a Google Checkout account, which can be used at stores across the web. Orders and shipments can be tracked for all purchases within a simple web based interface.

If you do not already have a Google Checkout account, you may sign up for one from the following address:
<http://www.pdgsoft.com/partners/google.htm>

Considerations

There are a few stipulations of which you should be aware before configuring Google Checkout. As it is a checkout service, it does not provide the ability to charge credit cards in real time. The Google Checkout service will authenticate the card during the time of purchase. You will then need to log in to your Google Checkout account to charge the purchase at the appropriate time.

At this time, you may not use international shipping methods or real time rate quoting methods (provided by UPS, USPS, and DHL) with Google Checkout through PDG Commerce or PDG Shopping Cart. You will find further information about the shipping options available with Google Checkout in the “Configure PDG Merchant Administrator” chapter of this guide.

The integration of Google Checkout with your PDG Software program will not allow you to use zones for tax or shipping rules. If you are using zones in your PDG Software program for these charges, they will not be available to customers when using Google Checkout.

Finally, Google Checkout’s terms of service prevent the use of Google Checkout to sell certain types of products, including downloadable files. PDG Software programs allow you to disable the Google Checkout option for orders containing these products. You will find further information about this setting in the “Configure PDG Merchant Administrator” chapter of this guide.



Configure Web Site Files

Install and configure files on your web site to integrate PDG Software with Google Checkout.

To configure your web site to use Google Checkout, you will need to install a second instance of the PDG Commerce executable, password protect it, and provide access to the PDG_Commerce folder.

Note: If you are using PDG Shopping Cart, your software program will be PDG_Cart rather than PDG_Commerce as referenced in this guide. Also, your PDG executable file will be named shopper.exe or shopper.cgi, rather than commerce.exe or commerce.cgi as referenced in this guide. Finally, if you are on a UNIX server, you should name the new folder Google-Cart rather than Google-Commerce.

Install Second Instance of Executable

Connect to your web site via FTP, and browse to the cgi directory. In this directory you will find the commerce executable. On a Windows server, this file will be named commerce.exe. On a UNIX server, this file will be named commerce.cgi. Download this file to your local computer's desktop in binary format.

UNIX Server

If your web site is located on a UNIX server, create a new folder within your cgi directory named Google-Commerce. Set the permissions on this folder to 755 (rwxr-xr-x). Open the folder, and upload the commerce.cgi program from your desktop in binary format. Set its permissions to 755 (rwxr-xr-x).

Windows Server

If your web site is located on a Windows server, rename the commerce.exe file on your desktop to gcommerce.exe. Upload this file to the cgi directory on your web site in binary format.

Note: If your web site is located on a Windows 2003 server, the gcommerce.exe file may need to be added to the Web Service Extensions settings in the Internet Information Services settings on your server. If you do not have remote desktop access to your server, you will need to ask your hosting company to make this change. You can find further instructions on configuring Web Service Extensions to work with PDG Software in the PDG Software Windows 2003 Permissions Guide, available for download at <http://www.pdgsoft.com/docs/Win2003Permissions.pdf>

Provide Access to PDG_Commerce

You will need to place the PDG_Commerce folder in a location where your current commerce executable, as well as the new commerce executable, can find it. If the PDG_Commerce folder is located in the cgi-bin directory, you will need to move it to the document root directory of your web site, or place it one level above the document root directory of your web site.

Note: On a UNIX server, you may create a symbolic link to the folder instead. This may be done by accessing the command prompt directly on the server, or remotely through SSH. You will need to navigate to the Google-Commerce folder, and execute the following command:

```
ln -s [full path to original file] [name of new file]
```

For example, a PDG_Commerce folder located in the /var/www folder would be accessed using the following command from within the Google-Commerce directory:

```
ln -s /var/www/PDG_Commerce PDG_Commerce
```

Set Up HTTP Basic Authentication

The second instance of the PDG Commerce executable must be password protected. You will need to set up HTTP basic authentication to protect it. To obtain the information you will need, log into your Google Checkout account. Click the “Settings” tab, followed by the “Integration” link. On this page, you will see your Google ID and Google Key. Record these values for use during authentication setup.

Integration documentation
[Integration developer's guide](#)
[Google Checkout discussion group](#)

API callback URL
 Specify a URL for Google to notify you of new orders and changes in order state. You must provide the URL of a server running 128-bit SSLv3 or TLS.

API callback URL:
 Callback method: XML
 e.g. <google-order-number>123</google-order-number>
 name/value pairs
 e.g. google-order-number=1238

Account information
 Google merchant ID
 0000000000000000
 Google merchant key
 AAAAAAAAAAAAAAAAAAAAA

Email notifications
 Email me each time I receive an order, cancellation or other transaction.

Shopping cart type
 Allow shopping carts with name/value pairs to be sent to Google.

Save Cancel

Your hosting company’s control panel may provide a way to password protect a file or directory. If so, you should password protect the Google-Commerce/commerce.cgi file (UNIX) or the gcommerce.exe file (Windows), using your Google ID as the username and your Google Key as the password.

UNIX Server

You will need to have htpasswd installed on your web server in order to configure HTTP basic authentication. You can find further information about the htpasswd module on the Apache website at <http://httpd.apache.org/docs/2.2/programs/htpasswd.html>

To set up HTTP basic authentication, you will need to access the command prompt directly on the server or remotely through SSH. Navigate to the folder containing the htpasswd module. In this directory, you will need to execute the following command:

```
./htpasswd -c [filename] [Google ID]
```

For example, to create a file named sample.txt using the Google ID pictured above, you would enter the following command:

```
./htpasswd -c sample.txt 0000000000000000
```

After entering this command, you will be prompted twice to enter a password. You should enter your Google Key as the password.

Once you have completed the htpasswd process, download the new file to your local computer’s desktop in ascii format. In the above example, the file would be named sample.txt.

Connect to your web site via FTP. Browse to the document root directory of your web site, and upload the new file in ascii format.

Next, you will need to create an .htaccess file. Open a text editor to create a blank file. Add the following code to your .htaccess file:

```
AuthUserFile [path to htpasswd file]
AuthGroupFile /dev/null
AuthName "Secure-Area"
AuthTypeBasic
<FILES gcommerce.cgi>
require user [Google ID]
</Files>
```

You will need to enter the path the to htpasswd file on your server, which will be the file location of the document root directory. In the examples in this chapter, the document root is located in the /var/www directory on the server. You will also need to enter your Google ID, which is 0000000000000000 in this example. Thus, for this chapter's examples, the .htaccess code would be the following:

```
AuthUserFile /var/www/.htpasswd
AuthGroupFile /dev/null
AuthName "Secure-Area"
AuthType Basic
<Files commerce.cgi>
require user 0000000000000000
</Files>
```

Once you have created the text file, save it to your local computer's desktop with a name of .htaccess. Connect to your web site via FTP, and browse to the cgi-bin/Google-Commerce directory. Upload the .htaccess file to this directory in ascii format.

Note: Some hosting companies disable display of files through FTP if their names begin with a period. If your FTP program reports that the file was properly uploaded, but you do not see it listed on the server, this is most likely the case.

Windows Server

You will need to have direct access to the web server or remote desktop access in order to configure HTTP basic authentication. If you do not have this access to the server, you will need to ask your hosting company to configure this setting for you.

From your server's desktop, click on Start -> Programs -> Administrative Tools -> Computer Management. In the window that appears, click "Local Users and Groups" in the "System Tools" section of the file list. Click the "Users" folder. In the right side of the window, where the users are listed, right click and choose "New User..." In the "User Name" field, enter your

Google ID. Enter “Google Checkout User” in the “Description” field. In the “Password” and “Confirm Password” fields, enter your Google Key. Uncheck the “User must change password at next logon” box, and check the “User cannot change password” and “Password never expires” boxes. Click the ‘Create’ button. Click the ‘Close’ button. Close the Computer Management window.

From your server’s desktop, click on Start -> Programs -> Administrative Tools -> Internet Services Manager. In the window that appears, locate the Default Web Site folder, then the cgi directory. Click the folder for your cgi directory. On the right side of this window, the files within your cgi directory will be listed. Right click the gcommerce.exe file, and select “Properties.”

In the window that is displayed, click the “File Security” tab. In the “Anonymous access and authentication control” section of the window, click the ‘Edit...’ button. Uncheck the “Anonymous Access” box, and check the “Basic authentication (password is sent in clear text)” box. Click the ‘Yes’ button for the warning that appears. You will be using a secure connection, in which case this warning does not apply. Click ‘OK’ to close this window, then ‘OK’ again to close the Properties window. Close the Internet Information Services window.

Test Authentication

To verify that HTTP basic authentication has been properly configured on the second instance of the PDG Commerce executable, you should attempt to view your license using that executable. You will need to know your web site’s secure address in order to perform this test.

If you are on a UNIX server, you will attempt to connect to the cgi-bin/Google-Commerce/commerce.cgi program. You should use the following link to access this page, changing www.securewebstore.com to your web site’s secure address:

<https://www.securewebstore.com/cgi-bin/Google-Commerce/commerce.cgi?version>

If you are on a Windows server, you will attempt to connect to the cgi-bin/gcommerce.exe program. You should use the following link to access this page, changing www.securewebstore.com to your web site’s secure address:

<https://www.securewebstore.com/cgi-bin/gcommerce.exe?version>

Once you have entered this address, your web browser should prompt you to log in. Enter your Google ID as the username, and your Google Key as the password. This information should be accepted, and your PDG Commerce license should be displayed. If you do not receive a prompt to log in, or if your username and password are not accepted, then the HTTP basic authentication has not been configured successfully.



Configure PDG Merchant Administrator

Configure your PDG Merchant Administrator to integrate with Google Checkout.

This chapter explains how to configure your PDG Software program to properly communicate with your Google Checkout account.

Getting Started

To access the QuickBooks Web Connector settings in your PDG Merchant Administrator, your PDG Software program will need to be on patch 4.70.01.51 or higher. To upgrade, visit <http://www.pdgsoft.com/upgrade.htm>

Once you have upgraded your program, log into your Merchant Administrator and select the “Google Checkout” option from the Main Menu.

Google Checkout Settings

In this portion of the page, you will enter information to access your Google Checkout account.

Google Checkout Settings	
Merchant ID:	<input type="text"/>
Merchant Key:	<input type="text"/>
Payment Method Label:	<input type="text"/>
Log File:	<input type="text"/>
SandBox Mode (testing only):	<input type="checkbox"/>

In the **Merchant ID** field, enter the Google merchant ID you obtained from your Google Checkout account. This is the ID you used to create the user-name for basic HTTP authentication in the previous chapter.

In the **Merchant Key** field, enter the Google merchant key you obtained from your Google Checkout account. This is the key you used to create the password for basic HTTP authentication in the previous chapter.

In the **Payment Method Label** field, you should enter a name to display to your customers when Google Checkout is the chosen payment option. Google Checkout will be offered to your customers by a button on the Basket page of your web store. On the customer's receipt, in the customer and vendor emails, and in the order logs, the payment method will be specified by the value you enter in this field.

In the **Log File** field, you may enter a log file name to collect data about the communication that occurs between your PDG Software program and Google Checkout. Please note that this file is not an order log. Saving this log is optional, as it is only used for troubleshooting purposes.

You should check the **Sandbox Mode (testing only)** box only if your Google Checkout account is currently in sandbox mode for testing. If your Google Checkout account is not in sandbox mode, you should not check this box.

Google Checkout Shipping Options

In this section, you will enter your shipping preferences for Google Checkout orders placed through your PDG Software program.

Google Checkout Shipping Options

You have 3 options for shipping. You must choose one of the three settings below.

<input type="radio"/> Shipping Charge per pound or kilogram: <small>this value will be multiplied by the order weight to determine the shipping cost.</small>	<input style="width: 80%;" type="text"/>
<input type="radio"/> Flat Rate Shipping:	Flat rate for zero weight orders: <input style="width: 80%;" type="text"/> Flat rate for orders that have weight: <input style="width: 80%;" type="text"/>
<input type="radio"/> Use Rule Based Shipping Methods: <small>the list to the right shows the valid shipping methods from your shipping settings.</small>	<input type="checkbox"/> Standard Shipping

You may only choose one shipping option of the three offered. Each available shipping setting will provide charges in a different way.

Shipping Charge per pound or kilogram will multiply the value entered by the total weight of the basket. You should enter a currency value in this field, without a currency symbol (such as \$ or €). You may set whether your shipping weights are entered in pounds or kilograms in the “Site Units of Measure” field available under the “Commerce Options” section of your Commerce Administrator.

Flat Rate Shipping allows you to specify a single, flat rate to be charged for all orders. You may enter two separate flat rates to be used, according to the total weight of the basket. These are defined in the “Flat rate for zero weight

orders” and “Flat rate for orders that have weight” fields. You should enter a currency value in each field, without a currency symbol (such as \$ or €).

Use Rule Based Shipping Methods allows you to use any non-realtime shipping methods you have created in your Merchant Administrator. There are many different ways to set up these types of shipping rules (e.g., flat rate, percentage, using shipping tables, etc.). For more information on configuring non-realtime shipping methods, please see the PDG Commerce User Guide. All non-realtime shipping methods that you have created will be listed on the Google Checkout settings page next to this option.

Google Checkout Web Site Navigation

In this section, you will specify pages on your web site that are available for access during Google Checkout.

Google Checkout Web Site Navigation	
Continue Shopping URL:	<input type="text"/>
Edit Shopping Cart URL:	<input type="text"/>

In the **Continue Shopping URL** field, you should enter the address of the page to which you want customers to return after completing a Google Checkout purchase, if they choose to continue shopping. The following are some suggested options for this field:

List product categories:

<http://www.webstorename.com/cgi-bin/commerce.cgi?listcategories>

List all products:

<http://www.webstorename.com/cgi-bin/commerce.cgi?search>

In the **Edit Shopping Cart URL** field, you should enter the address of the Basket page to be used if customers choose to edit the basket during Google Checkout. The following is the address to your default Basket page:

<http://www.webstorename.com/cgi-bin/commerce.cgi?display>

Considerations

The final section of the page provides links to important Google Checkout documents.

* Merchant should abide by the [Google Checkout Program Policies](#).

** If you sell items that can not be purchased using Google Checkout, according to [Google Checkout's Terms of Service](#), the first data in User defined field 0 must be "<l--NOT-FOR-GOOGLE-CHECKOUT-->" for those items.

The first consideration in this section provides a link to the Google Checkout Program Policies and Guidelines. You should review this document to ensure that your web store operates within the policies and guidelines of Google Checkout.

The second consideration in this section provides a link to the Google Checkout Terms of Service. You should review this document to determine if any of the products to be offered on your web store are not allowed by Google Checkout. Record which products are not allowed. In your Merchant Administrator, browse to each product and view its Details section. For products that are not available through Google Checkout, enter the following line in the “User Defined Data 0” field for the product:

`<!--NOT-FOR-GOOGLE-CHECKOUT-->`

During the order process on your web store, if a product is encountered in the basket that contains this tag in its “User Defined Data 0” field, the Google Checkout button will not be displayed on the Basket page. In that case, customers will have to choose one of your other payment methods to purchase their items.

Finalize Settings

Once you have completed entering the Google Checkout settings, as well as adding the appropriate tag to any products that will not be available through Google Checkout, click the “Make Changes Live” link on the Main Menu of your Merchant Administrator to make the new settings available on your web store.



Configure Google Checkout Account

Configure your Google Checkout account to integrate with PDG Software.

This chapter explains how to configure your Google Checkout account to properly communicate with your PDG Software program.

Log into your Google Checkout account. Click the “Settings” tab, followed by the “Integration” link. On this page, you will configure two settings to communicate with your PDG Commerce program.

The screenshot shows the Google Checkout account configuration interface. The 'API callback URL' section is highlighted with a red box. It contains the following text and fields:

- Integration documentation:**
 - [Integration developer's guide](#)
 - [Google Checkout discussion group](#)
- API callback URL:** Specify a URL for Google to notify you of new orders and changes in order state. You must provide the URL of a server running 128-bit SSLv3 or TLS.
- API callback URL field:**
- Callback method:**
 - XML (e.g. <google-order-number>123</google-order-number>)
 - name/value pairs (e.g. google-order-number=1238)
- Account information:**
 - Google merchant ID: 0000000000000000
 - Google merchant key: AAAAAAAAAAAAAAAAAAAAAA
- Email notifications:**
 - Email me each time I receive an order, cancellation or other transaction.
- Shopping cart type:**
 - Allow shopping carts with name/value pairs to be sent to Google.
- Buttons:** Save, Cancel

In the **API Callback URL** field, enter the full secure address to the second instance of the PDG Commerce executable that you installed on your server.

If you are on a UNIX server, you will connect to the `cgi-bin/Google-Commerce/commerce.cgi` program. You should use the following link to access this page, changing `www.securewebstore.com` to your web site’s secure address:

<https://www.securewebstore.com/cgi-bin/Google-Commerce/commerce.cgi>

If you are on a Windows server, you will connect to the cgi-bin/gcommerce.exe program. You should use the following link to access this page, changing www.securewebstore.com to your web site's secure address:

<https://www.securewebstore.com/cgi-bin/gcommerce.exe>

In the **Callback Method** field, select XML.

Click the 'Save' button to save your changes.



Add PDG Tag

Finalize the integration between your PDG Software program and Google Checkout.

This chapter explains how to finalize your PDG Software program to connect your web store to Google Checkout.

In order to provide the Google Checkout option to your customers during the checkout process on your web site, you will need to add a tag to the Basket template.

To determine the location of your Basket template file, log into your Commerce Administrator, and select “Site Design” from the Main Menu. At the bottom of the Site Design page, click the “Template Settings” link.

Note: If you are not using Site Design Mode, select the “Templates” option on the Main Menu to access this page.

On the Template Settings page, find the “Basket Template” field. The file name and path entered in this field are the location of the file on your web server.

Browse to the Basket template on your web site and open it in a text or HTML editor. Find the location on the page where you would like to display the Google Checkout button. In that location, add the following tag:

```
<!--GOOGLE_CHECKOUT-->
```

Save the file back to your web site. You will now see the Google Checkout button on the Basket page during an order on your web site.

