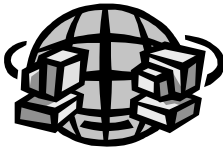

VeriSign Payflow Pro

Enabling VeriSign's Payflow Pro for PDG Shopping Cart



It is no secret that Verisign's Payflow Pro is a quick and secure way to authorize payments online. It is also widely known that PDG Shopping Cart offers an inexpensive e-commerce solution that interfaces with several existing payment authorization services. In order for PDG Shopping Cart to fully function with Payflow Pro, however, you will need to follow the instructions in this guide. This guide includes instructions for downloading and installing the Payflow Pro libraries that are necessary to interface with PDG Shopping Cart, as well as implementing your Cart's configuration settings. This guide assumes that you are familiar with archive programs such as WinZip and file transfer programs such as WS_FTP.

In order to configure your Web store to be compatible with Payflow Pro you must complete the following steps:

- Establish an authorization account with VeriSign
- Configure PDG Shopping Cart to process payments with VeriSign
- Download the PDG-specific software development kit (SDK) from VeriSign's Web site
- Unzip the SDK archive
- Upload SDK files to your Web store's CGI directory
- Run test transactions

Establish an Account with VeriSign

As stated earlier, you will need to establish an account with VeriSign to use this Internet payment service in conjunction with your Web store. PDG Shopping Cart supports real-time credit card authorizations through VeriSign's Payflow Pro. However, you must first download VeriSign's Payflow Pro software and register with VeriSign's authorization service. You can do this at:

www.verisign.com/products/payflow/pro/index.html

As a part of the process when obtaining Payflow Pro from VeriSign, you will be provided with a number of account-specific settings that will be needed to complete the implementation of VeriSign's authorization service into your Cart. This information will be required in the next step, when you are configuring your Shopping Cart's VeriSign settings.

Once you have completed the purchase process, you should be ready to configure your Web store's settings.

Configure PDG Shopping Cart to Use VeriSign

Now that you have purchased Payflow Pro and established your account with VeriSign, you must configure your Shopping Cart to communicate with VeriSign's host server. You will need the information provided by VeriSign at the time you established your account to complete these configurations.

Begin by accessing your Web store's Merchant Administrator by directing your browser to the following address:

[www.\[yourstorename\].com/CartConfig](http://www.[yourstorename].com/CartConfig)

Replace [yourstorename] with your Web store's domain. Once you have logged in, click on the 'Payment Methods' link on your Merchant Administrator's main menu. To access the configuration settings for VeriSign, click the 'VeriSign' button on the Payment Methods setup page. The following screen should appear:

PDG Shopping Cart VeriSign Configuration

Status: These settings are live.

[Return to Main Menu](#)

These settings allow you to specify if PDG Shopping Cart should communicate directly with VeriSign for real time payment processing. To enable VeriSign processing, check the box next to 'Enable direct VeriSign support', fill in the VeriSign settings, and submit your changes. If you do not want to use VeriSign to authorize credit cards and checks, uncheck the box below and submit your changes.

You must have a VeriSign account for PayFlow Pro to use this functionality. VeriSign will supply you with the proper information to place in the form below. You may contact VeriSign directly through their Web site at <http://www.verisign.com>.

Enable direct VeriSign support

VeriSign account login ID:

VeriSign account password:

VeriSign Partner:

VeriSign Vendor Name:

VeriSign authorization type:

Verisign Host:

Verisign port:

Auto-deny orders when Address Verification fails?:

File to which VeriSign transactions are logged:

Figure 1-1 VeriSign settings

Note: Once you have configured your VeriSign settings within the Merchant Administrator, you will need to configure a payment method that calls VeriSign. Please refer to your PDG Shopping Cart user guide for information on how to configure your Web store's payment methods.

Now, here is a brief description of the fields contained on the VeriSign configuration page, as well as how they should be filled out.

Enable Direct VeriSign Support

This field indicates to PDG Shopping Cart whether VeriSign will be used as an authorization service on your Web store. Place a check mark in this field to enable PDG Shopping Cart's VeriSign support.

VeriSign Account Login ID

Place your VeriSign account login ID in the 'VeriSign Account Login ID' field. This value should have been issued by VeriSign during the setup of VeriSign services.

VeriSign Account Password

Enter your VeriSign account password in the 'VeriSign Account Password' field. This password should have been established at the time you set up your account with VeriSign.

VeriSign Partner

This field contains your VeriSign partner name. Generally this will be the organization from whom you obtained Payflow Pro. VeriSign will provide this information at the time you set up your account. This field is case sensitive and mandatory.

VeriSign Vendor Name

This field contains your Web store's name as VeriSign knows it. This field may contain the same information as the VeriSign account login ID, but it doesn't have to. Nevertheless, this information will be provided for you at the time that you set up your account with VeriSign.

VeriSign Authorization Type

This field determines whether VeriSign will simply authorize the transaction or authorize and capture the funds. The 'Sale' setting in the 'VeriSign authorization type' field implements the authorization and capture function. For more information on authorization and capture, please refer to your PDG Shopping Cart user guide.

VeriSign Host

This field contains the gateway Internet address through which PDG Shopping Cart communicates with VeriSign. This gateway should have been provided at the time you set up your account with VeriSign:

payflow.verisign.com

Or if you are only performing test transactions, the host should be:

test-payflow.verisign.com

VeriSign Port

This field contains the port number on the VeriSign host server to which you will connect for payment authorizations. This number should be provided at the time you set up your VeriSign account. Generally this will be the server's secure port, 443.

Auto-deny orders when Address Verification Fails?

By enabling the ‘Auto-deny orders when Address Verification fails?’ field, PDG Shopping Cart will reverse/void all orders that fail address verification (AVS). For more information on AVS, please refer to your PDG Shopping Cart user guide.

File to which VeriSign Transactions are Logged

In the ‘File to which VeriSign transactions are logged’ field, enter the name of the file to which you want VeriSign transactions logged. The location is assumed to be relative to the ‘PDG_Cart’ subdirectory in your CGI directory, unless an absolute path from the root directory is specified. PDG Shopping Cart will automatically create this file with the name you specify here when the first VeriSign transaction is recorded.

Note: This log contains non-encrypted credit card data. PDG recommends that you only use this log for diagnostic purposes, and that you disable this function (i.e. leave the field blank) at all other times.

Download SDK from VeriSign

Now that you have configured PDG Shopping Cart to authorize payments using VeriSign, you are ready for the next step.

Although you have configured your settings with VeriSign and your Shopping Cart, you are still not quite ready to begin processing transactions. You will need to download the VeriSign software development kit (SDK) from their Web site. These files come in the form of a zipped archive. These files are readily available and can be downloaded from within your VeriSign Payflow Pro Management Console.

It is important that you download the SDK for the correct Web server platform, as PDG and VeriSign support several different platforms. It is recommended that you verify this platform with your Web host before downloading.

'Unzip' the Archive

Once you have downloaded the SDK archive that is specific to your Web server's version of PDG Shopping Cart, you will need to extract the files within. This can be done with an archive program, such as WinZip.

There are three files and one file folder that should be extracted from the SDK archive.

- 'certs' - folder
- 'pfpro' - this is an executable file
- '[shared object file name].so/.dll' - name will vary (see Note below)
- 'PDG_VeriSign.pdf' - This PDF document

Note: The 'pfpro' executable may contain a file extension ('.exe' for Windows, '.cgi' for some versions of Unix). Also, the "shared object" file's name will vary depending upon the platform for which you are configuring: Windows - "prfo.dll", Unix - "libpfpro.so".

Upload the SDK Files to Your Web Server

Once you have unzipped these files, you will need to upload all of them (except for this PDF) to your 'PDG_Cart' subdirectory in your Web store's CGI directory. Open your FTP program and connect to your Web store's host machine.

Uploading the 'certs' Folder

You will need to upload this file folder (and its contents) to your Web server in "ASCII" mode because it contains text-based configuration files. Transfer the 'certs' file folder and all of its contents into your 'PDG_Cart' subdirectory in your CGI directory as "ASCII."

Uploading the 'pfpro' Executable File

You will need to upload this executable file to your Web server in "binary" mode because it is a compiled binary object. Transfer the 'pfpro' executable into your 'PDG_Cart' subdirectory in your CGI directory as "binary."

Note: Please remember that this filename may require an extension ('.exe' or '.cgi' depending upon your Web server).

Uploading the .so/.dll File

Using your FTP program, upload the .so/.dll file to your Web store's 'PDG_Cart' subdirectory in your CGI directory as "binary." PDG Shopping Cart will attempt to load the shared object from this location. At this point you will want to run some test transactions (see the following section). If your test transactions indicate no response from VeriSign, the .so/.dll file will need to be installed at the server's 'root' level. This situation may arise due to your Web server's access configuration.

If the .so/.dll file needs to be loaded at your server's 'root' level, you will need to have administrator or root access, which will probably mean contacting your host provider. If your host has questions concerning this file and what it does, he may contact VeriSign at vps-integrator@verisign.com.

Run Test Transactions

In order to run a test transaction, you will first need to reset the 'VeriSign Host' setting in your Merchant Administrator. For test transactions, this field must read:

test-payflow.verisign.com

Next you will need to create a 'mock' order from your Web store that will invoke the VeriSign authorization service. This should be a simple order that attempts to use a credit card to pay online.

Once you have run this test transaction, you should view the Verisign transaction log file, as defined in the Merchant Administrator. This file should be downloaded from your Web server via FTP in ASCII mode. Once you have downloaded this file to your local machine, you can view it with any text editor.

If this test transaction is successful (i.e. the transaction log either indicates a valid transaction), you should also try some test orders with false credit card information to ensure that they will not be authorized. Once you have established that VeriSign is working properly, revert the 'VeriSign Host' field in you Merchant Administrator's payment settings to:

payflow.verisign.com

If your test transactions fail (i.e. the transaction log indicates some sort of error in the authorization process), please ensure the following:

- You have purchased Payflow Pro and established an authorization account with VeriSign
- You downloaded the PDG-specific Software Development Kit for the platform that your Web server is running
- Your VeriSign settings have been properly configured in your Merchant Administrator.

- Your SDK files were transferred to your Web server with the correct transfer protocols (**Note:** You may need to have your host place the .so/.dll file at the Web server's root level. See above for information.)

If you have performed all of these steps and Payflow Pro is still not functioning properly with your Shopping Cart, you will need to contact PDG's technical support group at <http://support.pdgsoft.com>.

