



Using D2 Sitelock with Paypal

D2 Sitelock supports Paypal's 'Buy Now' and 'Subscription' options. If you wish to sell multiple items such as in an online store then use a shopping cart application designed for this purpose. Sitelock is not designed as a shopping cart app, it is more suited to selling subscriptions to access a website or selling online downloads or single products by only allowing paying users to access certain areas of your site i.e your downloads page or subscriber content.

Before using D2 Sitelock for Paypal payments, please ensure that you have 'activated' IPN on your Paypal merchant account, by logging onto the Paypal site using your merchant account login, selecting your 'profile' link and adding the URL to the SL2_1_IPN.asp file stored within the sitelock directory on your website. This URL will be along the lines of http://www.mysite.com/sitelock_2_1/SL2_1_IPN.asp.

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Instant Payment Notification Preferences

Instant Payment Notification (IPN)

Instant Payment Notification integrates PayPal payment notification and authentication with your website's back-end operations. Check this box to activate Instant Payment Notification, and enter the URL at which you will receive the payment notifications below. This URL should be a URL which you own and at which you receive HTML posts.

Note: Before activating Instant Payment Notification, please [read the instructions](#) to ensure that you can support the notification and authentication system.

Once you have activated IPN on your account and added a valid URL, Paypal will post data to your SL2_1_IPN.asp script whenever a transaction occurs within your merchant account.

For a brief overview of how the IPN system works with D2 Sitelock, see the diagram below:



To set up your copy of D2 Sitelock with Paypal, use the following steps:

Register for 2 accounts with Paypal, one is to be be your merchant account, i.e the account you will accept payments to, this account must be 'Verified', the other is for testing purposes. Please be sure to fully test any form of online payment you set up before releasing it 'live' to web users, remember, it is real customers money you are dealing with! Paypal makes the following recommendations for testing:

Sign up for a Personal PayPal account if you don't already have one, and add a credit card to the account. This will be your 'buyer' account. (Note: according to the PayPal User Agreement, you may have both one Personal and one Premier or Business account. Please do not set up any additional PayPal accounts, as this may result in your account access being limited.)

■ Make sure that your Business or Premier account is Verified. This is the account which uses IPN - your 'seller' account.

■ Log in to your buyer account and Send Money to your seller account, as if you were making a regular payment.

■ Check the results of your IPN test. One useful testing technique is to set the 'return' field to

the URL of your script that processes IPNs. This lets you see error messages directly in the browser window.

■ Log in to your seller account and refund the payment. (To refund a payment, go to the Transaction Details page and follow the Refund Payment link at the bottom.) The refund reverses the entire payment, including transaction fees. Remember that you only have 30 days to refund the payment.

An alternative is to get the husband/wife or a friend to set up an account and use that as the buyer account, refunding payments after they are made.

Fill in the required variables in D2 Sitelock's paypalvars.asp page (click the 'Paypal variables' link on the main D2 Sitelock admin page, this asks for the following data:

- **Primary Paypal Email address:** This is the primary email address associated with your main Paypal account i.e the account you will be using to receive payments, your merchant account.
- **New security level to assign users who have made purchases:** This is how you protect the information you only want accessible to registered users. When a user logs into your site using D2 Sitelock, they are assigned an access level which you set yourself (in the normal variables page). When users make a payment, they are assigned a new access level. Choose this new access level here and restrict your premium content to users with this access level by using normal D2 Sitelock protection code.
- **Page to redirect users to after they have made a successful payment:** Once a user has clicked your payment button and entered their credit card information into Paypal, this payment is processed and then the user is presented with a 'Continue' button which is just basically a hyperlink back to a page on your site. Create a page for your users to be taken to with text such a 'Thank you for your payment, you will shortly receive an email with details of etc etc etc' .
- **Page to redirect users to if they cancel the payment process at any stage:** If a user starts to make payment but then cancels at any stage, this is the page they will be redirected to. Create a page with text such as 'The site has detected that the payment for XYZ was not completed, if you require further information on XYZ, please contact admin etc etc'
- **Payment Currency to use:** This is your currency of choice for the transaction, Paypal at the time of writing supports UK Pounds (GBP), US Dollars (USD), Euros (EUR), Canadian Dollars (CAD) and Japanese Yen (JPY).
- **Subscription options:** (only applicable if using subscriptions, if not using subscriptions, leave as default) This is the subscription period you wish to use in months. After the subscription ends, the users access level will be automatically dropped from that of a paying user to a normal default user level.
- **Create subscriptions recurring:** If this option is selected, the button wizard will create buttons for recurring subscriptions i.e if a user subscribes for a 6 month subscription, Paypal will automatically charge to user the same amount in 6 months time and automatically keep renewing the subscription until the user cancels it. If this is left unticked, the user will only be charged once and will have to renew the subscription themselves when it expires. If you choose this option, please be sure to make it clear to your users that they will automatically be re-billed at the end of the subscription period! And also create a page explaining to users how they may cancel their subscription if they wish (for details of how to do this, see the Paypal website help, when a user manually cancels their own subscription at the Paypal website, D2 Sitelock will detect this, notify admin and update the users account as no longer being a subscriber)

- **Retry payment if it fails?** If a scheduled payment fails, you have the option to have Paypal reattempt the payment before the subscription is cancelled. Payments will be reattempted 3 days after the failure date, then if this fails 5 days later. A third failure will result in automatic cancellation of the subscription, your users access level will automatically be dropped down to the 'ordinary' user level after a subscription is cancelled due to non payment.
- **Text of email sent out after payment:** Once payment has been successfully processed, the user is sent an email by Sitelock, create the text of the email here. This can be something like 'Thank you for your payment, you may now access the premium area at <http://www.xyz.com/premium.asp>'. This supports HTML markup, so best way is to write your message using an HTML editor and copy the code into this field. Do not include the opening or closing <html> or <body> tags though.

Create the Paypal buttons to place on your page:

Paypal requires certain form variables to be passed with the payment request. D2 Sitelock can automatically generate the HTML code required for your Paypal button. Click the button Wizard link to view the code applicable to your own variables. The button wizard is accessible from the D2 Sitelock Paypal variables page, to use a button, simply copy either the generated **Single Item Purchase** or **Subscription** code as required. **IMPORTANT NOTE:** The payment buttons **MUST** be placed on a .asp page which has been protected by D2 Sitelock i.e your users **MUST** be logged into your site using Sitelock before they click the button, this is because the button passes Paypal the logged in users database ID so the purchase is associated with the correct users account. If you fail to do this or place the button on a standard HTML page, the payment system will not work.

There is also a tool on the Paypal site for creating buttons called the 'Button Factory', you may use this to create your button code. **If you use this, it is important that you change the following line it creates:**

```
<input type="hidden" name="item_number" value="xxx">
```

to the following: (copy this code exactly, keep it on 1 line):

```
<input type="hidden" name="item_number" value="<% = session("SLUsersID") %>">
```

This is because the item_number field is used to pass your logged in users database ID No. This applies to both subscriptions and 'Buy Now' purchases.

Once you have copied your button code, you can now test your payment system.

Testing payment.

Please note, before using Paypal Integration, ensure that you have fully working version of D2 Sitelock running on your site

Copy the button HTML code to one of your protected website .asp pages call it buytest.asp . Ensure the payment amount is for a small amount for testing purposes eg £1.00

Register a test user account on your site eg 'demouser' using D2 Sitelock. Log into your site using this account and access buytest.asp. Click the 'Buy Now' or 'Subscription' button and you should be taken to a Paypal payment page – login using your buyer account (not your merchant account or it will give an error – you cannot buy things off yourself, the buyer account must appear to be a different person).

Once payment is made, you will be returned to the page you specified in the '**Page to redirect users to after they have made a successful payment**' variable.

If all is well you should receive 2 emails to your buyer account email address, one from Paypal confirming the purchase and one from your copy of D2 Sitelock with the text you set in the variable '**Text of email sent out after payment**'. You should also receive an email from Paypal to your merchant account email address confirming the payment.

There is sometimes a slight delay in these mails being sent and the updates occurring.

If the mail comes through ok, then login to your D2 Sitelock admin screen and look at the details of the test user account you used. It should now have been assigned the new access level you set for paying users. Click the 'Paypal Sales' link from the main D2 Sitelock admin screen and the details of the transaction should be listed.

If the mails are not sent and the database is not updated, then a problem has occurred. Use Paypal's tip of setting the 'return' field to the URL of your script that processes IPNs i.e set your '**Page to redirect users to after they have made a sucessful payment**' to point to your IPN script (the SL2_1_IPN.asp page). If using Internet Explorer, be sure to switch off Tools→Internet Options→Advanced→Show Friendly HTTP error messages as this will stop you seeing the real error cause. Check the path to the IPN script is correct in your Paypal account profile settings on www.paypal.com.

Remember to fully test your payment system before making it publically available !