Digital Delivery Agent Users Manual
2Checkout Version

V 1.0

Features:

- Easy to install
- Protection from digital theft
- Hides download file storage location
- Tamper proof authorization code generation
- Expire times for links
- Automates 2Checkout Download Delivery Process
- Electronic Digital Delivery Confirmation Enabled (EDDCS.com)
- Template system to integrate into your site design
- Download page generation
- Email link distribution
- Unlimited products

Table of Contents

1. IonCube Encryption

IonCube is an industry standard encryption technology that protects the intellectual property of PHP software code from tampering. To use electronic digital delivery confirmation from eddcs.com for your download products, you must have ionCube available on your web-hosting server. Most web hosts already have the ionCube loaders integrated with their Zend engine, but if you are using your own dedicated server, or your host does not have an ionCube enabled web server, it is very simple to install.

To verify if ionCube is already available on your server, and/or to determine which runtime loader you need:

1. Upload the contents of the /ioncube directory to your web server.
2. In the /ioncube directory of this distribution, run the "ioncube-loader-helper.php" program in your web browser:
    a. http://www.yoursite.com/ioncube/ioncube-loader-helper.php
3. This program will detect if ionCube is already installed on your web server, and if not, will tell you which runtime loader you need to get from www.ioncube.com and place into this /ioncube directory.
4. **Note:** The /ioncube directory must be installed directly below the installation directory that the digital delivery agent software is located on your server (as it is located in the distribution zip file).

2. Configuration & Installation – Digital Delivery Agent

2.0. Installation

Unpack the .zip file onto your local computer system. The 2Checkout software package contains the following files:

dl.php
dl_config.php
dl_functions.php
eddc_api.php
eddc_config.php
eddc_log.txt
eddc_queue.txt
index.html
order_button.html
products.php
return.php
/templates/download_template.html
/templates/email_template.html

/templates/error_template.html
/templates/expired_template.html
/templates/invalid_template.html
/templates/index.html
/ioncube/ioncube-encoded-file.php
/ioncube/ioncube-loader-helper.php
/ioncube/README.txt

You will need to edit the following PHP files to meet your needs and operational requirements (details are in sections 2.1, 3.1, and 5 of this manual):

dl_config.php, products.php, and eddc_config.php

You will also want to take a look at the template HTML files in the "templates" directory and edit them to meet the look and feel of your web site.

To install this package:

1. Following the instructions in this manual, modify the configuration files and templates to meet your needs.
2. Create a subdirectory on your web site to upload the software to. You can name it anything you wish as long as it matches your dl_config.php settings.
3. Inside of the directory you just created, create a directory named "templates".
4. Also create a directory named "ioncube" in the directory you created in step 2.
5. Upload all of the files to the same locations that they are in the distribution.

Tip: Create a test product in 2Checkout to use for test purchases to make sure everything is working the way you want it to before modifying your live products thank you page destinations.

2.1. General Configuration

Directories

templates

The templates directory is located within the installation directory of the Delivery Agent software and contains your customizable templates as described later in this document.

Variables

Configuration of the Digital Delivery Agent software is made in the **dl_config.php** file. The following variables need to be modified to fit your installation needs:

$checkout_id = "123456";

The $2checkout_id variable is your 2Checkout account id number.

$demo_mode = 0;

The $demo_mode variable is used to put the Digital Delivery Agent software into demo/test mode. A value of zero (0) turns demo mode off, and a value of one (1) turns demo mode on. Turning demo mode on is required to perform testing of your products with 2Checkout. Be sure to turn demo mode off when you are ready to go live with your installation.

$web_url = "http://your/path/to/your/installation/";

The $web_url variable is the full path to the installation directory of the Digital Delivery Agent software. Check with your ISP if you are not sure what your full path should be. Be sure to include the slash "/" at the end of the directory path. Many hosts use /YourAccountName/public_html/ as the path to the root of a web site.

$use_eddc = 1;

EDDCS.com provides Delivery Confirmation services for digital products. This is a valuable tool to help fight charge backs from payment processing companies if a fraudulent customer claims they did not receive their download from you. The $use_edcc configuration setting tells the Digital Delivery Agent software that you will be using the EDDCS.com Delivery Confirmation service for delivering your software products. Set to zero (0) if you are not using this service, set to one (1) if you are. If you configure the software to use EDDCS, you must also setup the EDDCS configuration as described later in this document.

$private_key = "your_secret_key";

The $private_key variable is your internal private key that is used to verify that sales come from 2Checkout. Set this to anything you want, just be sure that it matches the private key you are using in your 2Checkout account, and place it between the quotes.

$expires = 3;

The $expires variable is used to set the number of days that your download links will expire. It is highly recommended to set this to prevent customers from sharing your products with others.

2.1. Template Configuration

The following templates defined in the **dl_config.php** file are used to display customized content to your customers. Variable placeholders are used in these template files to display detailed information to your customers. These placeholders are discussed later in this document. For now, we are simply defining where these template files are located for your installation.

$download_template = "templates/download_template.html";

The $download_template variable defines where the download page is located in relation to the $web_url setting described above. To increase security of your system installation, it is recommended that you change the default directory from templates to something less generic, and to rename the template files. For clarity, the directory is located beneath the installation directory defined in $web_url.

$email_template = "templates/email_template.html";

The $email_template variable defines where the download email message template is located. As described above, you may want to change the default name and location of this file.

$invalid_template = "templates/invalid_template.html";

The $invalid_template variable defines where the "Invalid Download Link" error message template is located. As described above, you may want to change the default name and location of this file.

$expired_template = "templates/expired_template.html";

The $expired_template variable defines where the "Expired Download Link" error message template is located. As described above, you may want to change the default name and location of this file.

$error_template = "templates/error_template.html";

The $error_template variable defines where the "Invalid Order" error message template is located. As described above, you may want to change the default name and location of this file.

2.2. Email Configuration

The Digital Delivery Agent software can be configured to send download links via email in addition to providing a download page to your customers. This is beneficial if a customer has a problem with their system during the download process, closes their browser prior to downloading, or any number of other unpredictable problems that can occur.

$send_dl_email = 1;

The $send_dl_email variable is used to enable or disable the sending of email download links. A value of zero (0) will disable sending download links to your customer's email address. A value of one (1) will enable this feature. The email message content is defined in the file you set with the $email_template variable discussed above.

$send_email_copies = 1;

The $send_email_copies variable is used to enable or disable the sending of copies of every download email sent to the email address defined below in the $email_address variable. If you have $send_dl_email set to disable sending download links via email, this setting is ignored, and no email messages will be sent.

$email_name = "My Company";

This is the user-friendly text of your email address. Your name, your company name, etc.

$email_address = "myemail@mysite.com";

The $email_address variable is the email address that emails will be sent from on your system. This is the address that will be used by customers replying to download link email messages, and where copies of the download link will be sent to if enabled.

$email_subject = "Download Link";

The $email_subject variable is the subject line that will be used in your download link email messages.

3. Configuration – Electronic Digital Delivery Service (optional)

3.1. General Configuration

The following describes the settings for the optional Electronic Digital Delivery Confirmation System offered by EDDCS.com.

Digital merchants are at a disadvantage from those that sell physical merchandise. Merchants of physical items obtain delivery confirmation from their delivery carriers that are used as evidence to fight "item not received" claims from fraudulent customers. Digital merchants have been subjected to charge back fees, and forced to refund orders for false item not received claims, simply because they can't provide third party proof that their digital items were delivered. EDDCS is a patent pending delivery method focused on preventing fraud that provides third party delivery and delivery confirmation for digital items on the Internet. More information on this service is available at www.eddcs.com.

define ("ACCOUNT", "1234");

EDDCS account number provided by EDDCS.

define ("PASSKEY", "12345678901234567890");

EDDCS pass key provided by EDDCS.

define ("QUEUE", "1");

EDDCS update queue – Set to zero (0) to disable, one (1) to enable.

define ("QUEUE_FILE", "/full/path/to/file/eddc_queue.txt");

Full path and filename to EDDCS queue file. Must be world writeable (chmod 777). It is recommended for security purposes to place this file outside of your web sites document root and rename it to something different than the default.

define ("LOGGING", "1");

Enable logging of the download process of the EDDCS delivery agent API software. Set to zero (0) to disable, one (1) to enable.

define ("LOG_FILE", "/full/path/to/file/eddc_log.txt");

Full path and filename to the EDDCS log file. Must be world writeable (chmod 777). It is recommended for security purposes to place this file outside of your web sites document root and rename it to something different than the default.

4. Templates

The following template files allow you to customize the look and feel of the download software to match your web site. The files contain HTML and are used by the Digital Delivery Agent software to display your download links, and errors that may occur with your download links. These files and their locations are defined in the **dl_config.php** file using the **$download_template**, **$email_template**, **$expired_template**, **$error_template**, and **$invalid_template** variables that have been previously discussed in this document.

Template files (names may be different if you modify your configuration):

- download_template.html
- email_template.html
- expired_template.html
- invalid_template.html
- error_template.html

The following placeholders keys are available for use in the **download_template.html**, and **email_template.html** template files:

[link]

The download link generated from a customer's purchase.

[desc]

The description of the product purchased.

[expires]

The number of days in which the download link will expire.

[IP]

The IP number of the customer's system. **Only available for use in the download_template.html file.**

[DC]

The delivery confirmation number from EDDCS.com if EDDCS is enabled in your configuration.

Note: These placeholder tags are case-sensitive, and must be contained in square brackets with no space between the text and the brackets.

The **expired_template.html** file is used to display an error message to your visitor that the download link they are using has expired. You can use this to display what the customer should do if this event should happen.

The **invalid_template.html** file is used to display an error to your customer that they are using an invalid download link. This occurs if a download link has been modified. You can use this to display a custom message to the visitor.

The **error_template.html** file is used to display a message to your customers explaining that an error occurred with an order. Basically, this only occurs when the data passed from 2Checkout does not match the data with your $private_key. This is a red flag indicating fraudulent activity in which someone attempted to directly access the "thank_you_page.php" file without going through 2Checkout.

5. Defining Products

The products you have available for download are defined in the **products.php** file located in your installation directory. To define a product, you need to assign an item ID number, the location of the file on your server, and a description of the file to display to your customers.

The format of this file is as follows:

$products[item_id_number] = "/full/path/to/file/filename.zip,Description"

The **item_id_number** is the unique "*2CO ID*" number of the product that you setup in 2Checkout. This number must match the number defined by 2Checkout.

The **full path and filename** if the location of the file to deliver for the given item_id_number. This should be outside of your webroot for maximum security.

The **description** is the text you display to your customers on the download page and in the download email describing the product they have purchased.

Note: The full path/filename, description and price are separated by a comma (,) and both must be between the double quote characters (" "). Each line must end with a semicolon (;).

An example of the default products.php file:

$products[1] = "/home/mypath/myfiles/file1.zip,Product Description 1";
$products[2] = "/home/mypath/myfiles/file2.zip,Product Description 2";

You can define as many products as you need in this file.

6. Creating 2Checkout Payment Buttons

To offer products for sale through 2Checkout, you need to perform the following steps:

1. Create your products in 2Checkout.
2. Create product pages (web pages) that you host on your web site that contain a click-able link to 2Checkout for your customers to make a purchase.
3. Configure your 2Checkout account to point to your installation of this Digital Download Agent software to deliver your products.

To create products in 2Checkout:

1. Login to your 2Checkout account.
2. Click on the 'Products' tab at the top of the page.
3. Click on the 'Create' tab.
4. Fill in the details of your product and save.

Note: when you view you list of products, the 2CO ID field is the product id number referenced in this manual.

To create web pages to sell your items, an example HTML file that contains the basic technical requirements are included with the distribution of this software in a file named "*order_button.html*". The key element in the web page (other than describing your product) is to make sure that the link that takes your customers to 2Checkout to make a purchase is setup with the correct values. Here is how your payment button form link should look:

```
<form action='https://www.2checkout.com/checkout/spurchase' method='post'>
<input type='hidden' name='sid' value='YOUR_2CO_ACCOUNT_ID' >
<input type='hidden' name='product_id' value='YOUR_2CO_PROD_ID' >
<input type='hidden' name='quantity' value='1' >
<input name="submit" type='submit' value='Buy from 2CO' >
</form>
```

Replace the 'sid' value above with your 2CO account id number.
Replace the 'product_id' value above with your 2CO ID product number.

7. Configuring 2Checkout to Use the Digital Delivery Agent

To deliver your products after a customer purchases through 2Checkout, you need to tell 2Checkout where on your web site to send your customers to obtain their download.

To configure your 2Checkout account to use this software:

1. Login to your 2Checkout account.
2. Click on the 'Account' tab at the top of the page.
3. Click on the 'Site Management' tab.
4. In the 'Direct Links' section, select the 'Given links back to my website' option.
5. In the 'Approved URL' and 'Pending URL' fields enter your installation directory of this software (see below).

http://www.yoursite.com/install_dir/return.php

Replace 'www.yoursite.com' with your web address, and 'install_dir' with the location you installed the Digital Delivery Agent software. The 'return.php' at the end of the above URL is the software that will process your customers order.

Testing your installation:

Once you have configured the Digital Download Agent software, defined your products in the "*products.php*" file, created a web page with a link to purchase your product through 2Checkout, and defined your 2Checkout account to return to the "*return.php*" program after a purchase is made, you need to test your installation.

Using the 2Checkout demo mode bypasses data entry of the customer credit card details, so you need to create a different payment button form than you use for your live sales (as described in section 6). Use the following to test your installation.

Test / Demo Testing Button:

```
<form action='https://www.2checkout.com/checkout/spurchase' method='post'>

<input type='hidden' name='sid' value='YOUR_2CO_ACCOUNT_ID' >
<input type='hidden' name='product_id' value='YOUR_2CO_PROD_ID' >
<input type='hidden' name='quantity' value='1' >

<input type='hidden' name='card_holder_name' value='TEST NAME'>
<input type='hidden' name='street_address' value='1234 Anywhere St'>
<input type='hidden' name='city' value='Anytown'>
<input type='hidden' name='state' value='XX'>
<input type='hidden' name='zip' value='123456'>
<input type='hidden' name='Country' value='United States'>
<input type='hidden' name='email' value='test@yourdomain.com'>
<input type='hidden' name='phone' value='xxx-xxx-xxxx'>

<input name="submit" type='submit' value='Buy from 2CO' >

</form>
```

The above form forces customer information into the demo sale. The forced customer information must be removed before you go live. Your customer will enter their information when they are at the 2Checkout payment site.

Testing steps:

1. Place your 2Checkout account into demo mode (Account/Site Management).
2. Place your Digital Delivery Agent software into demo mode (see 2.1 Variables)
3. Using your web browser, visit your test sales page using the form button above.
4. Click on the "*Buy from 2CO*" link on your web page.
5. Complete the checkout process.
6. Click on the '*Click here to finalize your order*' button to return to your site.

If everything is correctly setup, you will return to your web site with a download link for the product you are testing. If you have enabled the *$send_dl_email* option, you will also receive download link emails for the test purchase.

Note: Be sure to take your 2Checkout account, and Digital Delivery Agent software out of test mode when you are finished. Otherwise, anyone who clicks on your buy button will get your product for free. Set your 2Checkout account to only accept LIVE transactions to prevent spoofing of fake demo mode forms that are commonly used to Internet shoplifters.