



# ISPAPI SSL Module

SSL Certificates Registration using WHMCS & HEXONET

Version 7.1.0 (or later version)

November 23, 2018



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### **ISPAPI SSL Module**

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Version 7.1.0 (or later version)

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The logo for HEXONET, featuring the word "HEXONET" in a bold, blue, sans-serif font. The "X" is stylized with a diagonal line through it.

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## Introduction

The ISPAPI SSL Module is a combination of an addon and a provisioning module.

The SSL addon provides a user friendly interface for your customers to load and import SSL certificates under a product group. In addition, it gives the possibility to compare cost and sale prices. Customer can simply update sale prices and import them.

The addon creates a product group at installation. It also configures the module settings and pricing at provisioning module when the SSL certificates are imported.

The SSL provisioning module connects to the configured ISPAPI registrar module to establish a possibility to register and maintain SSL certificates at HEXONET.

## Supported Features

The ISPAPI SSL Module supports the following functions and features:

- Unified handling of different suppliers
- Support for testing environment
- Certificate products directly connected to the ISPAPI Registrar Module
- New SSL addon
  - Load available SSL certificates and import them under a product group
  - Bulk price update by using a profit margin
  - Support for different currencies

## Getting started

### Requirements

In order to run the ISPAPI SSL addon and provisioning modules, your WHMCS installation must meet the following requirements:

- **WHMCS version 7.0** or higher must be installed. (We recommend always using the latest version of WHMCS)
- **ISPAPI Registrar Module version 1.0.53** or higher must be installed. This module can be downloaded here:  
[https://wiki.hexonet.net/index.php/WHMCS\\_Modules](https://wiki.hexonet.net/index.php/WHMCS_Modules)
- **HEXONET Live or Test Account** must be configured in the ISPAPI Registrar Module. Account creation is free on our website: [www.hexonet.net](http://www.hexonet.net)

### Installation

Copy files from the zip to your WHMCS installation root directory (**\$YOUR\_WHMCS\_ROOT**), while keeping the folder structure intact.

E.g.

```
addons/ispapissl_addon
=> $YOUR_WHMCS_ROOT/modules/addons/ispapissl_addon

servers/ispapissl
=> $YOUR_WHMCS_ROOT/modules/servers/ispapissl
```

**For an update**, unzip the downloaded file and upload the content of addons and servers folders to your WHMCS root directory. Then go to **Setup > Addon Modules > ISPAPI SSL Addon > Configure** and click on the “Save Changes” button.

**NOTE:** The WHMCS root directory is the folder which contains the “configuration.php” file.

## Configuration

### Addon activation

Within the WHMCS Admin area, go to **Setup > Addon Modules**

» ISPAPI SSL Addon This addon allows you to quickly add and configure SSL Certificates	1.0	HEXONET	Activate	Deactivate	Configure
---	-----	---------	----------	------------	-----------

Access Control

Choose the admin role groups to permit access to this module:  
☒ Full Administrator ☐ Sales Operator ☐ Support Operator

Save Changes

Activate the ISPAPI SSL Addon, give the module “Full Administrator” Access Control right.

### Addon configuration

Within the WHMCS Admin area, navigate to **Addons > ISPAPI SSL Addon**

## Import certificates

**You are now ready to import SSL certificates.**

Wizard mode explains how to import SSL certificates in an automated way.  
Manual mode explains how to import SSL certificates manually.

### Wizard Mode

#### a) Step 1: Load SSL certificates

ISPAPI SSL Addon

Please load SSL certificates

Select Product Group

Load



## b) Step 2: Update prices and import certificates

ISPAPI SSL Addon



**Update successful!**

Your products list has been updated successfully.

### Bulk Price update

Profit Margin:

	SSL Certificate	Price		Currency	
		Cost	Sale	Cost	Sale
<input checked="" type="checkbox"/>	Comodo Essentialssl	16.90	<input type="text" value="18.59"/>	USD	<input type="text" value="USD"/>
<input checked="" type="checkbox"/>	Comodo Essentialssl Wildcard	105.00	<input type="text" value="115.5"/>	USD	<input type="text" value="USD"/>
<input type="checkbox"/>	Comodo Instantssl	39.00	<input type="text" value="42.9"/>	USD	<input type="text" value="CNY"/>
<input type="checkbox"/>	Comodo Instantssl Premium	79.00	<input type="text" value="86.9"/>	USD	<input type="text" value="USD"/>
<input type="checkbox"/>	Comodo Positivessl	11.90	<input type="text" value="13.09"/>	USD	<input type="text" value="CNY"/>
<input type="checkbox"/>	Comodo Premiumssl Wildcard	195.00	<input type="text" value="214.5"/>	USD	<input type="text" value="USD"/>
<input type="checkbox"/>	Comodo Ssl	79.90	<input type="text" value="87.89"/>	USD	<input type="text" value="USD"/>
<input type="checkbox"/>	Comodo Ssl Ev	119.00	<input type="text" value="130.9"/>	USD	<input type="text" value="USD"/>
<input type="checkbox"/>	Comodo Ssl Wildcard	239.00	<input type="text" value="262.9"/>	USD	<input type="text" value="USD"/>

## c) Manage imported certificates

Managing imported certificates can be done at **Setup > Products/Services > Products/Services**

### Products/Services

This is where you configure all your products and services. Each product must be assigned to a group which can either be visible or hidden from the order page (products may also be hidden individually). A product which is in a hidden group can still be ordered using the Direct Order Link shown when editing the package.

[+ Create a New Group](#)
[+ Create a New Product](#)
[+ Duplicate a Product](#)

Product Name	Type	Pay Type	Stock	Auto Setup			
+ Group Name: SSL Certificates							
Comodo Essentialssl	Other Product/Service (ISPAPI SSL Certificates)	Recurring	-	After First Payment			
Comodo Essentialssl Wildcard	Other Product/Service (ISPAPI SSL Certificates)	Recurring	-	After First Payment			

### Update certificate settings if required:

#### Products/Services

#### Edit Product

[Details](#)
[Pricing](#)
[Module Settings](#)
[Custom Fields](#)
[Configurable Options](#)
[Upgrades](#)
[Free Domain](#)
[Other](#)
[Links](#)

Module Name
ISPAPI SSL Certificates

Server Group
None

Certificate Class
COMODO\_ESSENTIALSSL

Registrar
ispapi

Years
1

☐ Automatically setup the product as soon as an order is placed

☒ Automatically setup the product as soon as the first payment is received

☐ Automatically setup the product when you manually accept a pending order

☐ Do not automatically setup this product

[Save Changes](#)
[Cancel Changes](#)

## Manual Mode

Setup an SSL certificate product.

Within the WHMCS Admin area, navigate to **Setup > Products/Services > Products/Services**

### a) Create a new group

In this example, we will name the new group as “SSL Certificates”.

### b) Create a new product

Products/Services

Create a New Product

Product Type	Other Product/Service
Product Group	SSL Certificates
Product Name	Comodo SSL certificate

Continue »

**On the “Details” tab:**

Set a Product Description (optional).

Ensure the Welcome Email field is set to “None” as the module sends its own email.

Ensure the Required Domain field is unchecked.

Products/Services

Edit Product

Details	Pricing	Module Settings	Custom Fields	Configurable Options	Upgrades	Free Domain	Other	Links
Product Type	<input type="text" value="Other"/>							
Product Group	<input type="text" value="SSL Certificates"/>							
Product Name	<input type="text" value="Comodo SSL Certificate"/>							
Product Description	<div><div><input type="text" value="Comodo SSL Certificate Description"/></div><div>You may use HTML in this field &lt;br /&gt; New line &lt;strong&gt;Bold&lt;/strong&gt; <b>Bold</b> &lt;em&gt;Italics&lt;/em&gt; <i>Italics</i></div></div>							
Welcome Email	<input type="text" value="None"/>							
Require Domain	<input type="checkbox"/> Tick to show domain registration options							
Stock Control	<input type="checkbox"/> Enable - Quantity in Stock: <input type="text" value="0"/>							
Apply Tax	<input type="checkbox"/> Tick this box to charge tax for this product							
Featured	<input type="checkbox"/> Display this product more prominently on supported order forms							
Hidden	<input type="checkbox"/> Tick to hide from order form							
Retired	<input type="checkbox"/> Tick to hide from admin area product dropdown menus (does not apply to services already with this product)							

**On the “Pricing” tab:**

Set the Payment Type field to Recurring and set a price

Products/Services

Edit Product

Details
Pricing
Module Settings
Custom Fields
Configurable Options
Upgrades
Free Domain
Other
Links

Payment Type
☐ Free
☐ One Time
☒ Recurring

Currency		One Time/Monthly	Quarterly	Semi-Annually	Annually	Biennially	Triennially
CNY	Setup Fee				0.00		
	Price				70.00		
	Enable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USD	Setup Fee				0.00		
	Price				95.00		
	Enable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Allow Multiple Quantities
☐ Tick this box to allow customers to specify if they want more than 1 of this item when ordering (must not require separate config)

Recurring Cycles Limit
 To limit this product to only recur a fixed number of times, enter the total number of times to invoice (0 = Unlimited)

Auto Terminate/Fixed Term
 Enter the number of days after activation to automatically terminate (eg. free trials, time limited products, etc...)

Termination Email
 Choose the email template to send when the fixed term comes to an end

Prorata Billing
☐ Tick this box to enable

Prorata Date
 Enter the day of the month you want to charge on

Charge Next Month
 Enter the day of the month after which the following month will also be included on the first invoice

Save Changes
Cancel Changes


**On the “Module Settings” tab:**

Choose “ISPAPI SSL Certificate” for the module Name field. Other fields “Years” and “Registrar” are automatically filled and the connection between our API and product is established. If you configured a test account in ISPAPI registrar module, the product will be registered and managed in the test environment. if you configured a production account, the product will be registered and managed in the production environment.

Enter Certificate Class. Set “Automatically setup the product as soon as the first payment is received” to ensure the certificate is paid for before registration. Save changes.

Products/Services

Edit Product

 **Changes Saved Successfully!**  
Your changes have been saved.

[Back to Product List](#)

DetailsPricingModule SettingsCustom FieldsConfigurable OptionsUpgradesFree DomainOtherLinks

Module NameISPAPI SSL CertificatesServer GroupNone

Certificate ClassCOMODO\_ESSENTIALSSLRegistrarispapi

Years1

☐ Automatically setup the product as soon as an order is placed

☒ Automatically setup the product as soon as the first payment is received

☐ Automatically setup the product when you manually accept a pending order

☐ Do not automatically setup this product

Save Changes

Cancel Changes

## Frontend overview

WHMCS client area > Store > SSL Certificates

[Home](#) [Store](#) [Announcements](#) [Knowledgebase](#) [Network Status](#) [Contact Us](#) [Backorders](#) [Account](#)

Categories

SSL Certificates

+ Actions

[Register a New Domain](#)

[Transfer in a Domain](#)

[View Cart](#)

### SSL Certificates

Comodo Essentialssl

18.59USD  
Annually

Order Now

Comodo Essentialssl Wildcard

115.50USD  
Annually

Order Now

## How to buy a certificate?

Go to the created certificate group on your WHMCS frontend and “Order Now” the just created certificate.

Follow the steps in the buying process.

Once the invoice is paid, you will receive an SSL certificate Configuration email, which contains a link to configure the new certificate.

Click this link or to go to the bought SSL certificate product page and click the “Configure SSL Certificate” button.

On this configuration page, you will be asked to provide a Web Server Type, a CSR and Administrative Contact Information.

★ Overview

Information

⚙️ Actions

Request Cancellation

## Manage Product

[Portal Home](#) / [Client Area](#) / [My Products & Services](#) / [Product Details](#)

### SSL Certificate Information

Configuration Status: **Awaiting Configuration** [Configure SSL Certificate](#)



Step 1

## Certificate Type

Comodo Essentialssl

## Order Date

23/11/2018

## Price

18.59USD

## Configuration Status

Awaiting Configuration

[Back to Service Details](#)

## Configure SSL Certificate

[Portal Home](#) / [Client Area](#) / [My Products & Services](#) / [Product Details](#) / [Configure SSL Certificate](#)

## Server Information

You must have a valid "CSR" (Certificate Signing Request) to configure your SSL Certificate. The CSR is an encrypted piece of text that is generated by the web server where the SSL Certificate will be installed. If you do not already have a CSR, you must generate one or ask your web hosting provider to generate one for you.

## Web Server Type

Apache +ModSSL

## CSR

```
-----BEGIN CERTIFICATE REQUEST-----
MIICvDCCAaQCAQAwdzELMAkGA1UEBhMCVVMxDTALBgNVBAGyMBFV0YWxkZzANBgNV
BAAcMBkxpbmRvbjEWMBAQ1UECgwNRGlnaUNlcnQgSW5JLjERMA8GA1UECwwiRGln
aUNlcnQxHTAbBgNVBAMMFGV4YW1wbGUuZGlnaWNlcnQuY29tMIIIBjANBgkqhkiG
9w0BAQEFAAOCAQ8AMIIBCgKCAQEA8+To7d+2kPWeBv/orU3LVbjwDrSQbeKamCmo
wp5bqDxIwV20zqRb7APUOKYoVEFFOEQs6T6gImnlolhbiH6m4zgZ/CPWwBOKZc+c
1Po2EmvBz+AD5sBdT5kzGQA6NbWyZGldxRthNLOs1efOhdnWFuhl162qmcflgpil
-----
```



## Administrative Contact Information

The contact information below will not be displayed on the Certificate - it is used only for contacting you regarding this order. The SSL Certificate and future renewal reminders will be sent to the email address specified below.


First Name

John

On the subsequent configuration page, you will be asked for a Certificate Approver Email.

 Step 2 

<b>Certificate Type</b> Comodo Essentialssl
<b>Order Date</b> 23/11/2018
<b>Price</b> 18.59USD
<b>Configuration Status</b> Awaiting Configuration
<b>Domain</b> example.digicert.com
<b>Organization</b> DigiCert Inc.
<b>Organization Unit</b> DigiCert
<b>Email</b>
<b>Locality</b> Lindon
<b>State</b> Utah
<b>Country</b> US

 Back to Service Details

## Configure SSL Certificate

[Portal Home](#) / [Client Area](#) / [My Products & Services](#) / [Product Details](#) / [Configure SSL Certificate](#)

### Certificate Approver Email

You must now choose from the options below where you would like the approval email request for this certificate to be sent.

- ☒ admin@example.digicert.com
- ☐ administrator@example.digicert.com
- ☐ hostmaster@example.digicert.com
- ☐ postmaster@example.digicert.com
- ☐ webmaster@example.digicert.com
- ☐ admin@digicert.com
- ☐ administrator@digicert.com
- ☐ hostmaster@digicert.com
- ☐ postmaster@digicert.com
- ☐ webmaster@digicert.com

[Click to Continue >>](#)

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The configuration is now completed

Step 3

☒ ○ ○ ○

**Certificate Type**  
Comodo Essentialssl

**Order Date**  
23/11/2018

**Domain Name**  
example.digicert.com

**Price**  
\$20.90 USD

**Configuration Status**  
Completed

Back to Service Details

## Configure SSL Certificate

[Portal Home](#) / [Client Area](#) / [My Products & Services](#) / [Product Details](#) / [Configure SSL Certificate](#)

Configuration Complete

Your SSL certificate configuration has now been completed and sent to the Certificate Authority for validation. You should receive an email from them shortly to approve it.

« Back to Client Area

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## Support

If you cannot find what you need here, please visit our online wiki or contact our support, and we will be happy to assist you.

- **Wiki:** [wiki.hexonet.net](http://wiki.hexonet.net)

- **Technical Support:** [support@hexonet.net](mailto:support@hexonet.net) or <https://hexonet.support>