SSLmarket API Developer's Guide

version 1.3



**ZONER Software, a.s. 2015**

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# About SSLmarket API

SSLmarket API allows customers to automate the process of creating SSL certificates orders. Order parameters are sent as an *HTTP POST request* to the server URL [https://www.sslmarket.tld/api](https://www.sslmarket.cz/api). This allows the customer to submit an order request from their system. The customer uses their SSLmarket customer account credentials to place orders. The user can find sample implementations in the *Sample implementation in PHP* chapter which can be used for the base deployment of SSLmarket API to the user infrastructure.

**API endpoint:** [**https://www.sslmarket.tld/api**](https://www.sslmarket.tld/api)(TLD is SSLmarket branch domain)

# 

# Legend

parameter – name of the key which must be sent via *HTTP POST* to SSLmarket's API endpoint

value – this style stands for the values allowed of each parameter

# API functions

In the following paragraphs you will learn what functions are assigned to the individual parameters of SSL certificate orders.

## Order parameters

customer\_id (mandatory) = your SSLmarket account number

password (mandatory) = your password to SSLmarket account

method (mandatory) = method used for ordering

new = make a new SSL certificate order

renew = make an order to renew an expiring certificate

domain (mandatory) = domain name you want to secure

years (mandatory) = certificate validity (in years)

1-3 for certificate *THAWTE\_SSL\_123*

1-3 for certificate *THAWTE\_WEB\_SERVER*

1-2 for certificate *THAWTE\_WEB\_SERVER\_EV*

1-2 for certificate *THAWTE\_WEB\_SERVER\_WILDCARD*

1-3 for certificate *THAWTE\_SGC\_SUPERCERTS*

1-2 for certificate *THAWTE\_CODE\_SIGNING*

1-3 for certificate *SYMANTEC\_SECURE\_SITE*

1-3 for certificate *SYMANTEC\_SECURE\_SITE\_PRO*

1-2 for certificate *SYMANTEC\_SECURE\_SITE\_EV*

1-2 for certificate *SYMANTEC\_SECURE\_SITE\_PRO\_EV*

1-3 for certificate *SYMANTEC\_SECURE\_SITE\_WILDCARD*

1-3 for certificate *SYMANTEC\_CODE\_SIGNING*

1-3 for certificate *GEOTRUST\_QUICKSSL\_PREMIUM*

1-3 for certificate *GEOTRUST\_TRUE\_BUSINESSID*

1-2 for certificate *GEOTRUST\_TRUE\_BUSINESSID\_EV*

1-3 for certificate *GEOTRUST\_TRUE\_BUSINESSID\_WILDCARD*

1-3 for certificate *RAPIDSSL\_RAPIDSSL*

1-3 for certificate *RAPIDSSL\_RAPIDSSL\_WILDCARD*

1 for certificate *RAPIDSSL\_FREESSL*

certificate (mandatory) = certificate product code

##### THAWTE\_SSL\_123

##### THAWTE\_WEB\_SERVER

##### THAWTE\_WEB\_SERVER\_EV

##### THAWTE\_WEB\_SERVER\_WILDCARD

##### THAWTE\_SGC\_SUPERCERTS

##### THAWTE\_CODE\_SIGNING

##### SYMANTEC\_SECURE\_SITE

##### SYMANTEC\_SECURE\_SITE\_PRO

##### SYMANTEC\_SECURE\_SITE\_EV

##### SYMANTEC\_SECURE\_SITE\_PRO\_EV

##### SYMANTEC\_CODE\_SIGNING

##### GEOTRUST\_QUICKSSL\_PREMIUM

##### GEOTRUST\_TRUE\_BUSINESSID

##### GEOTRUST\_TRUE\_BUSINESSID\_EV

##### GEOTRUST\_TRUE\_BUSINESSID\_WILDCARD

##### RAPIDSSL\_RAPIDSSL

##### RAPIDSSL\_RAPIDSSL\_WILDCARD

##### SYMANTEC\_SECURE\_SITE\_WILDCARD

##### RAPIDSSL\_FREESSL

sans\_count (mandatory for SAN certificates only) = number of SANs

0-24 for certificate THAWTE\_WEB\_SERVER

0-24 for certificate THAWTE\_WEB\_SERVER\_EV

0-24 for certificate THAWTE\_SGC\_SUPERCERTS

0-24 for certificate SYMANTEC\_SECURE\_SITE

0-24 for certificate SYMANTEC\_SECURE\_SITE\_PRO

0-24 for certificate SYMANTEC\_SECURE\_SITE\_EV

0-24 for certificate SYMANTEC\_SECURE\_SITE\_PRO\_EV

0, 4 for certificate GEOTRUST\_QUICKSSL\_PREMIUM

0, 4-100 for certificate GEOTRUST\_TRUE\_BUSINESSID

0, 4-100 for certificate GEOTRUST\_TRUE\_BUSINESSID\_EV

sans (mandatory for SAN certificates only) = list of SANs divided by commas

hash\_algorithm (not mandatory) = hash algorithm in CA's signature

SHA2-256 (default)

SHA-1 (currently deprecated)

use\_zoner\_server (not mandatory) = is your server hosted by ZONER (CZECHIA.COM, Zonercloud.com)?

0 (default, server is not hosted by ZONER)

1 (server is hosted by ZONER)

csr (not mandatory) = CSR (Certificate Signing Request) in Base64 encoding

dv\_auth\_method (mandatory for DV certificates only) = verification of rights to manipulate the domain and to apply for an SSL certificate

Email (verification via e-mail sent to mailbox determined by parameter *verify\_mailbox*)

DNS (verification via unique text string in DNS zone)

FILE (verification via unique file uploaded to server via FTP)

### Alternative vetting is supported by following certificates:

*THAWTE\_SSL\_123*

*RAPIDSSL\_RAPIDSSL*

*RAPIDSSL\_RAPIDSSL\_WILDCARD*

*RAPIDSSL\_FREESSL*

*GEOTRUST\_QUICKSSL\_PREMIUM*

verify\_mailbox (not mandatory) = choose the mailbox where the approver e-mail is sent

WHOIS (default, SSLmarket will try to obtain domain owner's e-mail from *WHOIS*)

admin@ (approver e-mail will be: *admin@my-domain.com*)

administrator@ (approver e-mail will be: *administrator@my-domain.com*)

hostmaster@ (approver e-mail will be: *hostmaster@my-domain.com*)

webmaster@ (approver e-mail will be: *webmaster@my-domain.com*)

postmaster@ (approver e-mail will be: *postmaster@my-domain.com*)

voucher (not mandatory) = discount voucher code

note (not mandatory) = note for an order

If notes are sent with the order, then the order will be on hold for manual processing.

test (not mandatory) = start of debug mode

true (active debug mode)

false (default, not active test mode)

Order will not be saved in SSLmarket, but API will check the order and return a result. You will see if your order (and its price) is correct or not.

### Example of returned parameters:

### amount – price of the order without VAT

vat = VAT in the order /100

**e.g.:** 1 = without VAT

1.1 = 10 %

1.21 = 21 %

## Contact details

owner\_name (mandatory) = name of the certificate owner

owner\_street (mandatory) = street of the certificate owner

owner\_city (mandatory) = city of the certificate owner

owner\_zip (mandatory) = ZIP code of the certificate owner address

owner\_country (mandatory) = two-letter country code (for example DE, CZ, RU)

(ISO 3166-1 alpha-2)

auth\_firstname (mandatory) = first name of the person requesting the certificate

auth\_lastname (mandatory) = last name of the person requesting the certificate

auth\_tel (mandatory) = telephone number of the person requesting the certificate

auth\_email (mandatory) = e-mail address of the person requesting the certificate

tech\_firstname (mandatory) = first name of the tech-c (tech-c will receive the certificate)

tech\_lastname (mandatory) = last name of the tech-c

tech\_tel (mandatory) = telephone number of the tech-c

tech\_email (mandatory) = e-mail address of the tech-c

invoice\_name (mandatory) = invoice name of company buying the certificate

invoice\_street (mandatory) = address of company buying the certificate

invoice\_city (mandatory) = city of company buying the certificate

invoice\_zip (mandatory) = ZIP code of company buying the certificate

invoice\_country (mandatory) = two letter country code of company buying the certificate

(ISO 3166-1 alpha-2)

invoice\_business\_id (not mandatory) = business registration number of company buying the certificate

invoice\_vat\_id (not mandatory) = VAT number of company buying the certificate

# Return Values

API reply is in JSON format.

## Parameters:

ack = the result of a query

Success (query was accepted)

Error (query was not correct, see Errors)

errors = array with errors, returned if "ack" is equal to "Error"

data = array of data, returned only if parameter "test" is set

# Sample implementation in PHP

For the functionality of the following code, it is necessary to have a *ca-bundle.pem* file in the same directory as the PHP script. You can download this file from <https://www.sslmarket.cz/download/ca-bundle.pem>. The following code will send a request to the SSLmarket API endpoint and you will receive the reply: **Chyba! Nenalezen zdroj odkazů.**. The order will not be placed on SSLmarket because you are using *debug mode* (parameter *test* is enabled). After testing you can disable debug mode by deleting the *test* parameter from the *$params* array.

<?php

// Enter your credentials (customer account number and password)

$your\_customer\_id = **'your-customer-account-number'**;

$your\_password = **'your-strong-password'**;

$params = array(

'customer\_id' => $your\_customer\_id,

'password' => $your\_password,

'method' => 'new',

'domain' => 'www.name-of-domain.com',

'years' => 3,

'certificate' => 'RAPIDSSL\_RAPIDSSL',

'use\_zoner\_server' => 0,

'owner\_name' => 'Name of owner',

'owner\_street' => 'Street',

'owner\_city' => 'city',

'owner\_zip' => '12345',

'owner\_country' => 'US',

'owner\_tel' => '+420.123456789',

'hash\_algorithm' => 'SHA2-256',

'auth\_firstname' => 'First name',

'auth\_lastname' => 'Last name',

'auth\_tel' => '+420.123456789',

'auth\_email' => 'your-email@name-of-domain.com',

'tech\_firstname' => 'First name',

'tech\_lastname' => 'Last name',

'tech\_tel' => '+420.123456789',

'tech\_email' => 'your-email@name-of-domain.com',

'invoice\_name' => 'Company name for invoice',

'invoice\_street' => 'Street',

'invoice\_city' => 'City',

'invoice\_zip' => '12345',

'invoice\_country' => 'US',

'invoice\_email' => 'your-email@name-of-domain.com',

'dv\_auth\_method' => 'Email',

'verify\_mailbox' => 'admin@',

'test' => true,

'note' => 'Test order'

);

$post = http\_build\_query($params);

$curl = curl\_init();

curl\_setopt($curl, CURLOPT\_SSL\_VERIFYPEER, true);

curl\_setopt($curl, CURLOPT\_CAINFO, \_\_DIR\_\_ . "/ca-bundle.pem");

curl\_setopt($curl, CURLOPT\_URL, "https://www.sslmarket.co.uk/api");

curl\_setopt($curl, CURLOPT\_POST, true);

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $post);

curl\_setopt($curl, CURLOPT\_RETURNTRANSFER, true);

$result = curl\_exec($curl);

echo '<pre>';

print\_r(json\_decode($result));

echo '</pre>';

if (curl\_error($curl)) {

$result = curl\_error($curl);

var\_dump($result);

}

# Support

Do not hesitate to contact SSLmarket support with any questions or queries. Contact e-mails are: info@sslmarket.co.uk, info@sslmarket.us, info@sslmarket.de, info@sslmarket.at or info@sslmarket.ch.

We wish you great pleasure using your API.

**SSLmarket support team**

**ZONER software, a.s.**