SSLmarket API Developer's Guide

version 1.3

Contents

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. 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 (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
<?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',
```

```php
    '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.