

วิธีการ set ระบบ Cybersource

1. ลูกค้าได้รับข้อมูล Merchant ID

หลังจากที่ลูกค้าได้รับข้อมูล Merchant ID และข้อมูลที่ใช้ในการเข้า Web Cybersource จากทาง ธ.กรุงศรีแล้ว

2. ทำการ Activate Profile ตามขั้นตอน ดังนี้

To create and activate a security key:

Step 1 On the [Profile Settings](#) page, click **Security**. The Security Keys page appears.

Step 2 Click **Create New Key**. The Create New Key page appears.

Step 3 Enter a key name (required).

Step 4 Choose signature version **Version 1**.

Step 5 Choose signature method **HMAC-SHA256**.

Step 6 Click **Generate Key**. The Create New Key window expands and displays the new access key and secret key. This window closes after 30 seconds.

Step 7 Copy and save the access key and secret key.

- Access key: Secure Sockets Layer (SSL) authentication with Secure Acceptance. You can have many access keys per profile. See "[Invoking Secure Acceptance](#)."
- Secret key: signs the transaction data and is required for each transaction. Copy and paste this secret key into your security script. See "[Invoking Secure Acceptance](#)."

By default, the new security key is active. The other options for each security key are:

- Deactivate: deactivates the security key. The security key is inactive.
- Activate: activates an inactive security key.
- View: displays the access key and security key.



Note

When you create a security key it is displayed in the security keys table. You can select a table row to display the access key and the secret key for that specific security key.

Step 8 Click **Return to Profile home**. The [Profile Settings](#) page appears.

Activating a Profile



Important

You must configure these required fields before activating a profile:

- [Configuring Payment Settings](#)
- [Creating a Security Key](#)
- [Displaying a Response Page](#)

To activate a profile:

- Step 1** On the [Profile Settings](#) page, click **Promote to Active**. The profile is now active and listed as an active profile on the [Manage Profiles](#) page.



Note

The [All Profiles](#) link appears on the [Profile Settings](#) page. Click **All Profiles** to view the [Manage Profiles](#) list. See "[Updating a Secure Acceptance Profile](#)."

3. ให้ download script สำหรับ Test ระบบ

- a. ให้ลูกค้าทำการ download script ให้ตรงกับภาษาที่ใช้เขียน Web Site โดยระบบจะมีภาษาให้เลือก ดังนี้ (ลูกค้าสามารถเข้าไป Download ตาม link ด้านล่าง)

■ **JSP** >> http://apps.cybersource.com/library/documentation/dev_guides/samples/sa_sc/jsp.zip

■ **ASP.NET(C#)** >> http://apps.cybersource.com/library/documentation/dev_guides/samples/sa_sc/csharp.zip

■ **PHP** >> http://apps.cybersource.com/library/documentation/dev_guides/samples/sa_sc/php.zip

■ **Perl** >> http://apps.cybersource.com/library/documentation/dev_guides/samples/sa_sc/perl.zip

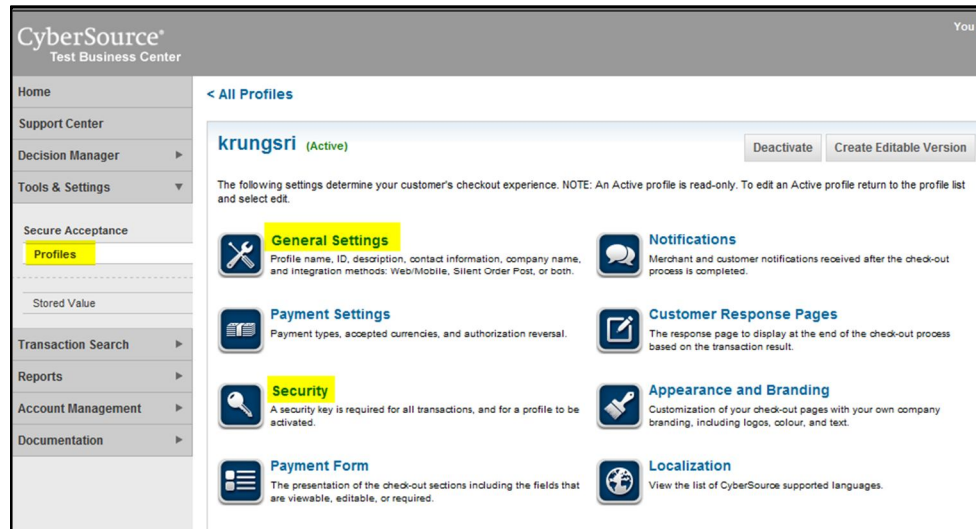
■ **Ruby** >> http://apps.cybersource.com/library/documentation/dev_guides/samples/sa_sc/ruby.zip

■ **VB** >> http://apps.cybersource.com/library/documentation/dev_guides/samples/sa_sc/vb.zip

- b. ทำการใส่ข้อมูลค่าที่ระบบต้องการเพิ่มเติม (จาก Code ที่ไป download มา)

Step1 >> ให้เข้าไปเพิ่มค่า SECRET_KEY ใน Code ที่ download มา (ปกติจะอยู่ใน File ชื่อ security)

Step2 >> ให้เข้าไปเพิ่มค่า access key และ profile ID ในส่วนของ Page Payment form



Step3 >> ใน Page ที่เป็น Payment confirm ให้คีย์ Link ที่ใช้ในการ Process ของ Test หรือ ระบบจริง

ระบบ Test : <https://testsecureacceptance.cybersource.com/pay>

ระบบจริง : <https://secureacceptance.cybersource.com/pay>

- c. ให้ทำการ Run ตัว Test โดยให้กรอกข้อมูลที่ต้องการ ดังตัวอย่างในภาพด้านล่าง (transaction_type ต้องเป็น "sale" เสมอ)

| Payment Details | |
|---------------------------------------|------------|
| transaction_type: | sale |
| reference_number: | 1234567890 |
| amount: | 3200 |
| currency: | THB |
| <input type="button" value="Submit"/> | |

- d. กรณี Test ผ่านแล้วให้ลูกค้านำ Code ไปวางไว้ใน Web Page ของลูกค้า

4. การทดสอบจากหน้า Page ของลูกค้า

- ให้นำ Code ที่เกี่ยวข้องไปใส่ใน Web Page Form ของลูกค้า
- กรณีที่ลูกค้ามี Device Fingerprint ให้ลูกค้าไปดูวิธีการใส่ค่า Device fingerprint ในหัวข้อที่ 5
- ให้ Login เข้าไปดูผลการทดสอบที่หน้า Web <https://ebctest.cybersource.com>
- แล้วทำการทดสอบโดยใช้ข้อมูล Test ดังนี้

| Credit Card Type | Test Account Number |
|-----------------------------------|---------------------|
| Visa | 4111111111111111 |
| MasterCard | 5555555555554444 |
| American Express | 378282246310005 |
| Discover | 6011111111111117 |
| JCB | 3566111111111113 |
| Diners Club | 380000000000006 |
| Maestro International (16 digits) | 6000340000009859 |
| Maestro Domestic (16 digits) | 6759180000005546 |

5. การส่งข้อมูล Device Fingerprint

มีการใช้ parameter ทั้งหมด 3 ค่า คือ <Org ID>, <Session ID> and <Merchant ID>

■ <Org ID>

| | |
|---------------|----------|
| Test Org ID : | 1snn5n9w |
| Live Org ID : | k8vif92e |

■ <Session ID>

- ค่า Session ID (This is a uniquely generated set of alphanumeric characters).

■ <Merchant ID>

- หมายเลข Merchant ID

ต.ย. ข้อมูล

org ID: 1snn5n9w

merchant id: krxxxxxxxxx

session ID: UGPJZXFWHFOMTQFISIQCFEQ

ขั้นตอนการส่งค่า Device fingerprint มี 2 ขั้นตอน ดังนี้

Step 1 >> เพิ่ม Code ด้านล่างที่ Checkout page ของท่าน

ตัวอย่าง code:

```
<p style="background:url(https://h.online-metrix.net/fp/clear.png?org_id=<org ID>&session_id=<merchant id>&session ID>&m=1)"></p>

<object type="application/x-shockwave-flash" data="https://h.online-metrix.net/fp/fp.swf?org_id=<org ID>&session_id=<merchant id><session ID>" width="1" height="1" id="thm_fp"><param name="movie" value="https://h.online-metrix.net/fp/fp.swf?org_id=<org ID>&session_id=<merchant id><session ID>" />
</object>
<script src="https://h.online-metrix.net/fp/check.js?org_id=<org ID>&session_id=<merchant id><session ID>" type="text/javascript"></script>
```

Step 2 >> เพิ่มการส่งค่า Parameter “device_fingerprint_id” โดยมีค่าเป็น session ID

ตัวอย่าง

device_fingerprint_id="UGPJZXFWHFOMTQFISIQCFEQ"

In your HTML code, it should appear like this:

```
<input type="hidden" name="device_fingerprint_id" value="<?php echo $session_id?>" />
```

6. การกำหนดค่าการแจ้งเตือน

- ให้เข้าไปที่หน้าจอ Profile Setting เลือกหัวข้อ Notifications

- ลูกค้าสามารถเข้าไปตั้งค่าการแจ้งเตือนได้ดังนี้ (เลือกอย่างใดอย่างหนึ่ง)
 - Merchant POST URL
 - Merchant POST Email

7. รายละเอียดเพิ่มเติม

ลูกค้าสามารถ Download ข้อมูลเพิ่มเติมได้จาก Link ด้านล่าง

http://apps.cybersource.com/library/documentation/dev_guides/Secure_Acceptance_WM/Secure_Acceptance_WM.pdf

API Fields

Required API Request Fields

| Field Name | Description | Data Type & Length |
|----------------------|---|--------------------|
| access_key | Required for authentication with Secure Acceptance. See "Creating a Security Key." | String (32) |
| amount | Total amount for the order. Must be greater than or equal to zero and must equal the total amount of each line item including the tax amount. | String (15) |
| currency | Currency used for the order. For the possible values, see the ISO currency codes . | String (5) |
| locale | Indicates the language to use for customer-facing content. Possible value: en-us. See "Activating a Profile." | String (5) |
| profile_id | Identifies the profile to use with each transaction. See "Creating a Security Key." | String (7) |
| reference_number | Unique merchant-generated order reference or tracking number for each transaction. | String (60) |
| signature | Merchant-generated Base64 signature. This is generated using the signing method for the access_key field supplied. | |
| signed_date_time | The date and time that the signature was generated. Must be in UTC Date & Time format. This field is used to check for duplicate transaction attempts. | String (20) |
| signed_field_names | <p>A comma-separated list of request fields that are signed. This field is used to generate a signature that is used to verify the content of the transaction to protect it from tampering.</p> <p>Important To prevent data tampering CyberSource recommends signing all request API fields except the signature field. If you are PCI-compliant, CyberSource recommends that you not sign the card number field.</p> | Variable |
| transaction_type | The type of transaction: ■authorization ■sale ■authorization, create_payment_token | String (60) |
| transaction_uuid | Unique merchant-generated identifier. Include with the access_key field for each transaction. This identifier must be unique for each transaction. This field is used to check for duplicate transaction attempts. | String (50) |
| unsigned_field_names | A comma-separated list of request fields that are not signed. | Variable |

Optional API Request Fields

| Field Name | Description | Data Type & Length |
|-----------------------------|---|--------------------|
| bill_to_address_city | City in the billing address. | String (50) |
| bill_to_address_country | Country code for the billing address. Use the two-character ISO country codes. | String (2) |
| bill_to_address_line1 | First line of the billing address. | String (60) |
| bill_to_address_line2 | Second line of the billing address. | String (60) |
| bill_to_address_postal_code | Postal code for the billing address. | String (10) |
| bill_to_address_state | State or province in the billing address. Use the two-character ISO state and province code. | String (2) |
| bill_to_company_name | Name of the customer's company. | String (40) |
| bill_to_email | Customer's email address, including the full domain name. | String (255) |
| bill_to_forename | Customer's first name. This name must be the same as the name on the card. | String (60) |
| bill_to_phone | Customer's phone number. CyberSource recommends that you include the country code if the order is from outside the U.S. | |
| bill_to_surname | Customer's last name. This name must be the same as the name on the card. | |
| card_cvn | Card verification number. Can be configured to optional. | String (4) |
| card_expiry_date | Card expiration date. Format: MM-YYYY | String (7) |
| card_number | Card number. | String (20) |
| card_type | Type of card to authorize. Use one of these values: ■001: Visa ■002: MasterCard ■003: American Express ■004: Discover ■005: Diners Club ■006: Carte Blanche ■007: JCB ■014: EnRoute ■021: JAL ■024: Maestro (UK Domestic) ■031: Delta ■033: Visa Electron ■034: Dankort ■035: Laser ■036: Carte Bleue ■037: Carta Si ■042: Maestro (International) ■043: GE Money UK card | |

| Field Name | Description | Data Type & Length |
|---------------------------|---|--------------------|
| complete_route | Concatenation of individual travel legs in the format for example: SFO-JFK:JFK-LHR:LHR-CDG. For a complete list of airport codes, see IATA's City Code Directory. Note In your request, send either the complete route or the individual legs (journey_leg#_orig and journey_leg#_dest). If you send all the fields, the value of complete_route takes precedence over that of the journey_leg# fields. | String (255) |
| consumer_id | Identifier for the customer's account. This field is defined when you create a subscription. | String (50) |
| customer_cookies_accepted | Indicates whether the customer's browser accepts cookies. This field can contain one of the following values: ■true: customer's browser accepts cookies. ■false: customer's browser does not accept cookies | String (5) |
| customer_gift_wrap | Indicates whether the customer requested gift wrapping for this purchase. This field can contain one of the following values: ■true: customer requested gift wrapping. ■false: customer did not request gift wrapping. | String (5) |
| customer_ip_address | Customer's IP address reported by your web server via socket information. | String (15) |
| date_of_birth | Date of birth of the customer. Use the format: YYYYMMDD. | String (8) |
| departure_time | Departure data and time of the first leg of the trip. Use one of the following formats: ■yyyy-MM-dd HH:mm z ■yyyy-MM-dd hh:mm a z ■yyyy-MM-dd hh:mm z HH = 24-hour format hh = 12-hour format a = am or pm (case insensitive) z = time zone of the departing flight, for example: If the airline is based in city A, but the flight departs from city B, z is the time zone of city B at the time of departure. | |
| device_fingerprint_id | Field that contains the session ID for the fingerprint. The string can contain uppercase and lowercase letters, digits, and these special characters: hyphen (-) and underscore (_). However, do not use the same uppercase and lowercase letters to indicate different session IDs. The session ID must be unique for each merchant ID. You can use any string that you are already generating, such as an order number or web session ID. | String (88) |

| Field Name | Description | Data Type & Length |
|-----------------|---|--------------------|
| ignore_avs | Ignore the results of AVS verification. Possible values: <input type="checkbox"/> true <input type="checkbox"/> false Important To prevent data tampering CyberSource recommends signing this field. See "signed_field_names," | String (5) |
| ignore_cvn | Ignore the results of CVN verification. Possible values: <input checked="" type="checkbox"/> true <input checked="" type="checkbox"/> false Important To prevent data tampering CyberSource recommends signing this field. See "signed_field_names," | String (5) |
| item_#_code | Type of product. If it is supplied, the item code must be one of the following values: <ul style="list-style-type: none"> ● default, ● adult_content ● coupon ● electronic_good ● electronic_software ● gift_certificate ● service ● subscription ● handling_only ● service ● shipping_and_handling ● shipping_only ● subscription # is the range of 0-49 | |
| item_#_name | Name of the item. # can range from 0 - 49. | String (255) |
| item_#_quantity | Quantity of line items. Important Required field if one of the following product codes is used: <ul style="list-style-type: none"> ● adult_content ● coupon ● electronic_good ● electronic_software ● gift_certificate ● service ● subscription # can range from 0 - 49. | String (10) |

| Field Name | Description | Data Type & Length |
|-------------------|--|--------------------|
| item_#_sku | <p>Identification code for the product.</p> <p>Important Required field if one of the following product codes is used:</p> <ul style="list-style-type: none"> ●adult_content ●coupon ●electronic_good ●electronic_software ●gift_certificate ●service ●subscription <p># can range from 0 - 49.</p> | String (255) |
| item_#_tax_amount | <p>Tax amount to apply to the line item. # can range from 1- 49. This value cannot be negative. The tax amount and the offer amount must be in the same currency.</p> | String (15) |
| item_#_unit_price | <p>Price of the line item. # can range from 1- 49. This value cannot be negative.</p> | String (15) |
| journey_leg#_dest | <p>Airport code for the origin of the leg of the trip designated by the pound (#) symbol in the field name. A maximum of 30 legs can be included in the request. This code is usually three digits long, for example: SFO = San Francisco. Do not use the colon (:) or the hyphen (-). For a complete list of airport codes, see IATA's City Code Directory.</p> <p>Note In your request, send either the complete_route field or the individual legs (journey_leg#_orig and journey_leg#_dest). If you send all the fields, the complete route takes precedence over the individual legs.</p> | |
| journey_leg#_orig | <p>Airport code for the origin of the leg of the trip designated by the pound (#) symbol in the field name. A maximum of 30 legs can be included in the request. This code is usually three digits long, for example: SFO = San Francisco. Do not use the colon (:) or the hyphen (-). For a complete list of airport codes, see IATA's City Code Directory.</p> <p>Note In your request, send either the complete_route field or the individual legs (journey_leg#_orig and journey_leg#_dest). If you send all the fields, the complete route takes precedence over the individual legs.</p> | String (3) |
| journey_type | <p>Type of travel, such as: one way or round trip.</p> | String (32) |

| Field Name | Description | Data Type & Length |
|---|---|--------------------|
| line_item_count | Total number of line items. Maximum number is 50. | String (2) |
| merchant_defined_data# | <p>Optional fields that you can use to store information. # can range from 1 - 100.</p> <p>Important Merchant-defined data fields are not intended to and MUST NOT be used to capture personally identifying information. Accordingly, merchants are prohibited from capturing, obtaining, and/or transmitting any personally identifying information in or via the merchant-defined data fields. Personally identifying information includes, but is not limited to, card number, bank account number, social security number, driver's license number, state-issued identification number, passport number, and card verification numbers (CVV, CVC2, CVV2, CID, CVN). In the event CyberSource discovers that a merchant is capturing and/or transmitting personally identifying information via the merchant-defined data fields, whether or not intentionally, CyberSource WILL immediately suspend the merchant's account, which will result in a rejection of any and all transaction requests submitted by the merchant after the point of suspension.</p> | String (100) |
| merchant_secure_data1 merchant_secure_data2 merchant_secure_data3 | Optional fields that you can use to store information. CyberSource encrypts the data before storing it in the database. | String (100) |
| merchant_secure_data4 | Optional field that you can use to store information. CyberSource encrypts the data before storing it in the database. | String (2000) |
| override_custom_receipt_page | <p>Overrides the custom receipt profile setting with your own URL.</p> <p>Important To prevent data tampering CyberSource recommends signing this field. See "signed_field_names,"</p> | String (255) |
| payment_method | Method of payment: card. | String (30) |
| payment_token | <p>Identifier for the payment details. The payment token retrieves the card data, billing information, and shipping information from the CyberSource database. When this field is included in the request, the card data, and billing and shipping information are optional.</p> <p>Important You must be currently using CyberSource Payment Tokenization services. Populate this field with the customer subscription ID.</p> | String (26) |
| payment_token_comments | Optional comments you have for the customer subscription. | String (255) |
| payment_token_consumer_id | Your identifier for the customer. | String (30) |
| payment_token_title | Name or title for the customer subscription. | String (60) |

| Field Name | Description | Data Type & Length |
|----------------------------------|---|--------------------|
| recurring_amount | Payment amount for each installment or recurring subscription payment. | String (15) |
| recurring_frequency | Frequency of payments for an installment or recurring subscription. | String (20) |
| recurring_start_date | First payment date for an installment or recurring subscription payment. Date must use the format YYYYMMDD. If a date in the past is supplied the start date will default to the day after the date was entered. | String (8) |
| recurring_number_of_installments | Total number of payments set up for an installment subscription. # can range from 1- 156. | String (3) |
| returns_accepted | Indicates whether product returns are accepted. This field can contain one of the following values: <ul style="list-style-type: none"> ■true ■false | String (5) |
| ship_to_address_city | City of shipping address. | String (50) |
| ship_to_address_country | Country code for the shipping address. Use the two-character ISO country codes. | String (2) |
| ship_to_address_line1 | First line of shipping address. | String (60) |
| ship_to_address_line2 | Second line of shipping address. | String (60) |
| ship_to_address_postal_code | Postal code for the shipping address. | String (10) |
| ship_to_address_state | State or province of shipping address. Use the two-character ISO state and province codes. | String (2) |
| ship_to_company_name | Name of the company receiving the product. | String (40) |
| ship_to_forename | First name of the person receiving the product. | String (60) |
| ship_to_phone | Phone number of the shipping address. | String (15) |
| ship_to_surname | Last name of the person receiving the product. | String (60) |
| shipping_method | Shipping method for the product. Possible values: <ul style="list-style-type: none"> ●sameday: Courier or same-day service ●oneday: Next day or overnight service ●twoday: Two-day service ●threeday: Three-day service ●lowcost: Lowest-cost service ●pickup: Store pick-up ●other: Other shipping method ●none: No shipping method because | String (10) |
| skip_decision_manager | Indicates whether to skip Decision Manager when creating a subscription. This field can contain one of the following values: <ul style="list-style-type: none"> ■ true ■ false | String (5) |

| Field Name | Description | Data Type & Length |
|------------|---|--------------------|
| tax_amount | Total tax amount to apply to the order. This value cannot be negative. Important To prevent data tampering CyberSource recommends signing this field. See "signed_field_names," | String (15) |

API Reply Fields



If configured, these API reply fields are sent back to your Merchant POST URL or email. See "Configuring Merchant Notifications." Because CyberSource may add reply fields and reason codes at any time, proceed as follows:

- You should parse the reply data according to the names of the fields instead of their order in the reply. For more information on parsing reply fields, see the documentation for your scripting language.
- Your error handler should use the **decision** field to determine the result if it receives a reason code that it does not recognize.

| API Reply Fields Field Name | Description | Data Type and Length |
|-----------------------------|---|----------------------|
| auth_amount | Amount that was authorized. | String (15) |
| auth_avs_code | AVS result code. See "AVS Codes." | String (1) |
| auth_avs_code_raw | AVS result code sent directly from the processor. Returned only if a value is returned by the processor. | String (10) |
| auth_cv_result | CVN result code. See "CVN Codes." | String (1) |
| auth_cv_result_raw | CVN result code sent directly from the processor. Returned only if a value is returned by the processor. | String (10) |
| auth_response | For most processors, this is the error message sent directly from the bank. Returned only if a value is returned by the processor. | String (10) |
| auth_time | Time of authorization in UTC. | String (20) |
| auth_trans_ref_no | Reference number that you use to reconcile your CyberSource reports with your processor reports. | String (60) |
| bill_trans_ref_no | Reference number that you use to reconcile your CyberSource reports with your processor reports. | String (60) |
| decision | The result of your request. Possible values: <ul style="list-style-type: none"> ■ACCEPT ■REJECT ■REVIEW ■ERROR See " Reason Codes. " | String (7) |

| API Reply Fields Field Name | Description | Data Type and Length |
|--------------------------------|---|----------------------|
| invalid_fields | Indicates which request fields were invalid. | Variable |
| message | Reply message from the payment gateway. | String (255) |
| payer_authentication_cavv | Cardholder authentication verification value (CAVV). Transaction identifier generated by the issuing bank. This field is used by the payer authentication validation service. | String (50) |
| payer_authentication_eci | Electronic commerce indicator (ECI). Numeric indicator returned only for Verified by Visa transactions. This field is used by payer authentication validation and enrollment services. Possible values: Enrollment Service: <ul style="list-style-type: none"> ■06: Card can be enrolled. You are protected. ■07: Card cannot be enrolled. You are not protected. Validation Service: <ul style="list-style-type: none"> ■00: Failed authentication ■05: Successful authentication. ■06: Authentication attempted. ■07: Failed authentication. | String (3) |
| payer_authentication_proof_xml | XML element containing proof of enrollment checking. For cards not issued in the U.S. or Canada, your bank may require this data as proof of enrollment checking for any payer authentication transaction that you re-present because of a chargeback. For cards issued in the U.S. or Canada, Visa may require this data for specific merchant category codes. | String (1024) |
| payer_authentication_uad | MasterCard SecureCode UCAF authentication data. Returned only for MasterCard SecureCode transactions. | String (32) |
| payer_authentication_xid | Transaction identifier generated by CyberSource Payer Authentication. Used to match an outgoing PA request with an incoming PA response. | String (28) |
| reason_code | Numeric value corresponding to the result of the credit card authorization request. See "Reason Codes." | String (5) |
| req_access_key | Authenticates the merchant with the application. | String (32) |
| req_amount | Total amount for the order. Must be greater than or equal to zero. | String (15) |
| req_bill_to_address_city | City in the billing address. | String (50) |
| req_bill_to_address_country | Country code for the billing address. Use the two-character ISO country codes. | String (2) |
| req_bill_to_address_line1 | First line of the street address in the billing address. | String (60) |
| req_bill_to_address_line2 | Second line of the street address in the billing address. | String (60) |

| API Reply Fields Field Name | Description | Data Type and Length |
|---------------------------------|--|----------------------|
| req_bill_to_address_postal_code | Postal code for the billing address. | String (10) |
| req_bill_to_address_state | State or province in the billing address. The two-character ISO state and province code . | String (2) |
| req_bill_to_company_name | Name of the customer's company. | String (40) |
| req_bill_to_email | Customer's email address. | String (255) |
| req_bill_to_forename | Customer's first name. | String (60) |
| req_bill_to_phone | Customer's phone number. | String (15) |
| req_bill_to_surname | Customer's last name. | String (60) |
| req_card_cvn | Card verification number. | String (4) |
| req_card_expiry_date | Card expiration date. | String (7) |
| req_card_number | Card number. | String (20) |
| req_card_type | Type of card. | String (3) |
| req_consumer_id | Identifier for the customer account. This value is defined when creating a customer subscription. | String (50) |
| req_complete_route | Concatenation of individual travel legs in the format: SFO-JFK:JFK-LHR:LHR-CDG. For a complete list of airport codes, see IATA's City Code Directory. Note In your request, send either the complete route field or the individual legs (journey_leg#_orig and journey_leg#_dest). If you send all the fields, the value of complete_route takes precedence over that of the journey_leg# fields. | String (255) |
| req_currency | Currency used for the order. See ISO currency codes. | String (5) |
| req_customer_cookies_accepted | Indicates whether the customer's browser accepts cookies. This field can contain one of the following values: ■true: customer's browser accepts cookies. ■false: customer's browser does not accept cookies | String (5) |
| req_customer_gift_wrap | Indicates whether the customer requested gift wrapping for this purchase. This field can contain one of the following values: ■true: customer requested gift wrapping. ■false: customer did not request gift wrapping. | String (5) |
| req_customer_ip_address | Customer's IP address reported by your web server using socket information. | |
| req_date_of_birth | Date of birth of the customer. Use the format: YYYYMMDD. | String (8) |

| API Reply Fields Field Name | Description | Data Type and Length |
|-----------------------------|---|----------------------|
| req_departure_time | Departure date and time of the first leg of the trip. Use one of the following formats: ■ yyyy-MM-dd HH:mm z ■ yyyy-MM-dd hh:mm a z ■ yyyy-MM-dd hh:mma z HH = 24-hour format hh = 12-hour format a = am or pm (case insensitive) z = time zone of the departing flight, for example: If the airline is based in city A, but the flight departs from city B, z is the time zone of city B at the time of departure. | String (25) |
| req_device_fingerprint_id | Field that contains the session ID for the fingerprint. The string can contain uppercase and lowercase letters, digits, and these special characters: hyphen (-) and underscore (_) However, do not use the same uppercase and lowercase letters to indicate different session IDs. The session ID must be unique for each merchant ID. You can use any string that you are already generating, such as an order number or web session ID. | String (88) |
| req_ignore_avs | Ignore the results of AVS verification. Possible values: ■ true ■ false | String (5) |
| req_ignore_cvn | Ignore the results of CVN verification. Possible values: ■ true ■ false | String (5) |
| req_item_#_code | Type of product. # is the range of 0-49. | |
| req_item_#_name | Name of the item. # can range from 0 - 49. | String (255) |
| req_item_#_quantity | Quantity of line items. # can range from 0 - 49. | String (10) |
| req_item_#_sku | Identification code for the product. # can range from 0 - 49. | String (255) |
| req_item_#_tax_amount | Tax amount to apply to the line item. # can range from 0 - 49. This value cannot be negative. The tax amount and the offer amount must be in the same currency. | String (15) |
| req_item_#_unit_price | Price of the line item. # can range from 1 - 49. This value cannot be negative. | String (15) |
| req_journey_leg#_dest | Airport code for the origin of the leg of the trip designated by the pound (#) symbol in the field name. A maximum of 30 legs can be included in the request. This code is usually three digits long, for example: SFO = San Francisco. Do not use the colon (:) or the hyphen (-). For a complete list of airport codes, see IATA's City Code Directory. In your request, send either the complete_route field or the individual legs (journey_leg#_orig and | String (3) |

| API Reply Fields Field Name | Description | Data Type and Length |
|---|--|----------------------|
| | journey_leg#_dest). If you send all the fields, the complete route takes precedence over the individual legs. | |
| req_journey_leg#_orig | Airport code for the origin of the leg of the trip designated by the pound (#) symbol in the field name. A maximum of 30 legs can be included in the request. This code is usually three digits long, for example: SFO = San Francisco. Do not use the colon (:) or the hyphen (-). For a complete list of airport codes, see IATA's City Code Directory. In your request, send the complete_route field or the individual legs (journey_leg#_orig and journey_leg#_dest). If you send all the fields, the complete route takes precedence over the individual legs. | String (3) |
| req_journey_type | Type of travel, such as: one way or round trip. | String (32) |
| req_line_item_count | Total number of line items. Maximum amount is 50. | String (2) |
| req_locale | Indicates the language to use for customer content. See "Activating a Profile." | String (5) |
| req_merchant_defined_data# | Optional fields that you can use to store information. # is in the range of 1 - 100. Important Merchant-defined data fields are not intended to and MUST NOT be used to capture personally identifying information. Accordingly, merchants are prohibited from capturing, obtaining, and/or transmitting any personally identifying information in or via the merchant-defined data fields. Personally identifying information includes, but is not limited to, card number, bank account number, social security number, driver's license number, state-issued identification number, passport number, and card verification numbers (CVV, CVC2, CVV2, CID, CVN). In the event CyberSource discovers that a merchant is capturing and/or transmitting personally identifying information via the merchant-defined data fields, whether or not intentionally, CyberSource WILL immediately suspend the merchant's account, which will result in a rejection of any and all transaction requests submitted by the merchant after the point of suspension. | String (100) |
| req_merchant_secure_data1 req_merchant_secure_data2 req_merchant_secure_data3 | Optional fields that you can use to store information. CyberSource encrypts the data before storing it in the database. | String (100) |
| req_merchant_secure_data4 | Optional field that you can use to store information. CyberSource encrypts the data before storing it in the database. | String (2000) |
| req_override_custom_receipt_page | Overrides the custom receipt profile setting with your own URL. | String (255) |
| req_payment_method | Method of payment: card. | String (30) |

| API Reply Fields Field Name | Description | Data Type and Length |
|--------------------------------------|--|----------------------|
| req_payment_token | Identifier for the payment details. The payment token retrieves the card data, billing information, and shipping information from the CyberSource database. When this field is included in the request, the card data and billing and shipping information are optional. Important You must be currently using CyberSource Payment Tokenization services. Populate this field with the customer subscription ID. | String (26) |
| req_payment_token_comments | Optional comments about the customer subscription. | String (255) |
| req_payment_token_title | Name of the customer subscription. | String (60) |
| req_profile_id | Identifies the profile to use with each transaction. | String (7) |
| req_recurring_amount | Payment amount for each installment or recurring subscription payment. | String (15) |
| req_recurring_frequency | Frequency of payments for an installment or recurring subscription. | String (20) |
| req_recurring_number_of_installments | Total number of payments set up for an installment subscription. # can range from 1-156. | String (3) |
| req_recurring_start_date | First payment date for an installment or recurring subscription payment. Date must use the format YYYYMMDD. If a date in the past is supplied the start date will default to the day after the date was entered. | String (8) |
| req_reference_number | Unique merchant-generated order reference or tracking number for each transaction. | String (60) |
| req_returns_accepted | Indicates whether product returns are accepted. This field can contain one of the following values: ■true ■false | String (5) |
| req_ship_to_address_city | City of shipping address. | String (50) |
| req_ship_to_address_country | The two-character country code. | String (2) |
| req_ship_to_address_line1 | First line of shipping address. | String (60) |
| req_ship_to_address_line2 | Second line of shipping address. | String (60) |
| req_ship_to_address_postal_code | Postal code for the shipping address. | String (10) |
| req_ship_to_address_state | The two-character ISO state and province code. | String (2) |
| req_ship_to_company_name | Name of the company receiving the product. | String (40) |
| req_ship_to_forename | First name of person receiving the product. | String (60) |
| req_ship_to_phone | Phone number for the shipping address. | String (15) |
| req_ship_to_surname | Last name of person receiving the product. | String (60) |

| API Reply Fields Field Name | Description | Data Type and Length |
|-----------------------------|---|----------------------|
| req_shipping_method | Shipping method for the product. Possible values: <ul style="list-style-type: none"> ■sameday: Courier or same-day service ■oneday: Next day or overnight service ■twoday: Two-day service ■threeday: Three-day service ■lowcost: Lowest-cost service ■pickup: Store pick-up ■other: Other shipping method ■none: No shipping method | String (10) |
| req_skip_decision_manager | Indicates whether to skip decision manager when creating a subscription. This field can contain one of the following values: <ul style="list-style-type: none"> ■true ■false | String (5) |
| req_tax_amount | Total tax to apply to the product. | String (15) |
| req_transaction_type | The type of transaction requested: <ul style="list-style-type: none"> ■authorization ■sale ■authorization, create_payment_token | String (60) |
| req_transaction_uuid | Unique merchant-generated identifier. Include with theaccess_key field for each transaction. | String (50) |
| required_fields | Indicates which of the request fields were required but not provided. | Variable |
| signature | The Base64 signature returned by the server. | String (44) |
| signed_date_time | The date and time of when the signature was generated by the server. UTC date and time format: 2011-12-31T11:59:59Z | String (20) |
| signed_field_names | A comma-separated list of response data that was signed by the server. All fields within this list should be used to generate a signature that can then be compared to the response signature to verify the response. | Variable |
| transaction_id | The transaction identifier returned from the payment gateway. | String (26) |

Reason Codes

The **reasonCode** field contains additional data regarding the decision response of the transaction. Depending on the decision of a transaction request, the CyberSource's default receipt page or your receipt page is displayed to the customer. Both you and your customer may also receive an email receipt. See "Configuring Notifications."

| Decision | Reason Code |
|----------|---|
| ACCEPT | 100, 110 |
| REVIEW | 200, 201, 230, 520 |
| REJECT | 102, 200, 202, 203, 204, 205, 207, 208, 210, 211, 221, 222, 230, 231, 232, 233, 234, 236, 240, 475, 476 |
| ERROR | 150, 151, 152, 250 |

| Reason Code | Description |
|-------------|---|
| 100 | Successful transaction. |
| 102 | One or more fields in the request are missing or invalid. Possible action: See the reply fields InvalidField0...N and MissingField0...N for the invalid or missing fields. Resend the request with the correct information. Important In the other API services, this reason code is split between 101 (missing fields) and 102 (invalid fields). |
| 110 | Authorization was partially approved. |
| 150 | Error: General system failure. Possible action: Wait a few minutes and resend the request. |
| 151 | Error: The request was received, but a server time-out occurred. This error does not include time-outs between the client and the server. Possible action: To avoid duplicating the order, do not resend the request until you have reviewed the order status in the Business Center. |
| 152 | Error: The request was received, but a service did not finish running in time. Possible action: To avoid duplicating the order, do not resend the request until you have reviewed the order status in the Business Center. |
| 200 | The authorization request was approved by the issuing bank but declined by CyberSource because it did not pass the Address Verification Service (AVS) check. Possible action: You can capture the authorization, but consider reviewing the order for possible fraud. |
| 201 | The issuing bank has questions about the request. You cannot receive an authorization code in the API reply, but you may receive one verbally by calling the processor. Possible action: Call your processor or the issuing bank to obtain a verbal authorization code. For contact phone numbers, refer to your merchant bank information. |

| Reason Code | Description |
|-------------|---|
| 202 | The card is expired. Possible action: Request a different card or other form of payment. |
| 203 | The card was declined. No other information was provided by the issuing bank. Possible action: Request a different card or other form of payment. |
| 204 | The account has insufficient funds. Possible action: Request a different card or other form of payment. |
| 205 | The card was stolen or lost. Possible action: Review the customer's information to determine if you want to request a different card from the customer. |
| 207 | The issuing bank was unavailable. Possible action: Wait a few minutes and resend the request. |
| 208 | The card is inactive or not authorized for card-not-present transactions. Possible action: Request a different card or other form of payment. |
| 210 | The credit limit for the card has been reached. Possible action: Request a different card or other form of payment. |
| 211 | The card verification number is invalid. Possible action: Request a different card or other form of payment. |
| 221 | The customer matched an entry on the processor's negative file. Possible action: Review the order and contact the payment processor. |
| 222 | The customer's bank account is frozen. Possible action: Review the order or request a different form of payment. |
| 230 | The authorization request was approved by the issuing bank but declined by CyberSource because it did not pass the card verification number check. |
| 231 | The account number is invalid. Possible action: Request a different card or other form of payment. |
| 232 | The card type is not accepted by the payment processor. Possible action: Request a different card or other form of payment, and/or check with CyberSource Customer Support to make sure that your account is configured correctly. |
| 233 | The processor declined the request based on an issue with the request itself. Possible action: Request a different form of payment. |
| 234 | There is a problem with your CyberSource merchant configuration. Possible action: Do not resend the request. Contact Customer Support to correct the configuration problem. |
| 236 | A processor failure occurred. Possible action: Wait a few minutes and resend the request. |

| Reason Code | Description |
|-------------|--|
| 240 | The card type sent is invalid or does not correlate with the credit card number. Possible action: Ask your customer to verify that the card is really the type indicated in your Web store, and resend the request. |
| 250 | Error: The request was received, but a time-out occurred with the payment processor. Possible action: To avoid duplicating the transaction, do not resend the request until you have reviewed the transaction status in the Business Center. |
| 475 | The customer is enrolled in payer authentication. Possible action: Authenticate the cardholder before continuing with the transaction. |
| 476 | The customer cannot be authenticated. Possible action: Review the customer's order. |
| 520 | The authorization request was approved by the issuing bank but declined by CyberSource based on your Smart Authorization settings. Possible action: Do not capture the authorization without further review. Review the ccAuthReply_avsCode, ccAuthReply_cvCode, and ccAuthReply_authFactorCode fields to determine why CyberSource rejected the request. |

This is the reason code explanation in the link below :-

https://support.cybersource.com/cybskb/index?page=content&id=C1401&actp=search&viewlocale=en_US&searchid=1398040744296