

## Create a charge

**POST** <https://scl-sandbox.dev.clover.com/v1/charges>

Charges a credit card or other payment source using data in the `charge` object. See [Create a charge](#) tutorial for more information.

### RECENT REQUESTS

TIME	STATUS	USER AGENT
Make a request to see history.		
0 Requests This Month		

### BODY PARAMS

Describes a charge to be applied to the specified source.

#### **amount** int64 **required** $\geq 0$

Charge amount in cents. If the charge request includes tax ( `tax_rate_uuid` or `tax_amount` ), this value must be the sum of any item prices and any tax or tip. For example, if the item cost = \$10 and the tax is \$1, the amount is 1100 cents (\$11).

Format: cents

#### **currency** string **required**

Three-letter [ISO 4217 currency code](#).

**Note:** Merchants in Canada and United States (US) can now accept customer payments in currency other than the US Dollar (USD). See [Multi Currency Pricing](#).

Format: Lower case

Length: Max 3

#### **capture** boolean

Indicates whether to immediately capture the charge.

Values:

True - Default.

False - Indicates the charge transaction type is AUTH (or PRE-AUTH), and the charge can be captured later using the [capture a charge](#) endpoint.

**partial\_redemption** boolean

Indicates whether the charge can be authorized for a lesser amount.

Values:

True

False - Default

**description** string length ≤ 255

Text describing the charge. This information is often displayed to users.

**ecomind** string Defaults to ecom

ecom

Indicates who entered the card data used for a charge - customer (ecom) or merchant (moto).

**external\_reference\_id** string

Unique identifier (ID), such as an invoice or purchase order (PO) number, that is sent to the merchant's gateway and displayed in settlement records.

Format: Supported for US—alphanumeric characters with in-between spaces.

Length: Max 12, including spaces and alphanumeric characters.

**external\_customer\_reference** string

Customer reference number from merchant's order management system.

**receipt\_email** string

Email address to which the charge receipt is sent. Receipts are sent only after the charge is paid.

**Note:** Receipts are not sent in the sandbox environment.

**metadata** object

Set of key-value pairs that you can attach to the object. This parameter is useful for storing additional information about the object in a structured format.

Length: Maximum 500 characters.

## METADATA OBJECT

x

**existingDebtIndicator** boolean Defaults to false

false

Indicates whether a US merchant with the gateway group IDs 40001 or 10001, and merchant category codes (MCC) 6012 or 6051 can process Visa® consumer debit transactions that have an existing debt.

Values:

True - Merchant can process transactions that have an existing debt.

False - Default; Transactions do not have an existing debt.

**soft\_descriptor** object

Soft descriptor information for a transaction. This information displays on the customer's card statement in place of the merchant's business information on record.

## SOFT\_DESCRIPTOR OBJECT

x

**dba\_name** string length ≤ 38

Merchant doing business as (DBA) name, product, or service.  
Length: Max 38 alphanumeric characters.

**street** string

Merchant's street address.

**city** string

Merchant's city.

**region** string length ≤ 2

Merchant's state.  
Format: 2-character postal abbreviation (US only).

**postal\_code** string

Merchant's postal code.

**country\_code** string length between 3 and 3

Merchant's country code.  
Format: 3-digit; see the [Country code reference](#).

**merchant\_contact\_info** string

Merchant's phone number or email address.  
Format: Max 13 characters for Discover® and Visa® transactions.

**source** string **required**

Payment source to charge, such as `token` or `alternate_tender`.

**intent** string

Intent of the external token.

**Note:** For a new TransArmor® token, select `save_credentials_on_file`.

**stored\_credentials** object

Stored credentials for a transaction. For subsequent payments with a saved card, stored credentials are available only with multi-pay (mTokens) tokens. See [Save a card for future transactions](#) for more information.

**STORED\_CREDENTIALS OBJECT**

x

**sequence** string

Indicates sequence of the external tokens such as Transarmor token.

Values:

FIRST - for new transarmor tokens

SUBSEQUENT - for existing transarmor tokens

**is\_scheduled** boolean

Indicates whether the transaction is scheduled or part of an installment.

Values:

True - Transaction is scheduled.

False - Transaction is part of an installment. Installments are only available in the US.

**initiator** string

Indicates with whose consent the transaction is initiated.

Values:

Cardholder

Merchant

**installment\_info** object

Installment information for the transaction.

**INSTALLMENT\_INFO OBJECT**

X

**bill\_pay\_indicator** string

Indicates whether the transaction is a recurring or installment payment.

Values:

Installment

Recurring - For Canadian merchants, the value must be Recurring

**invoice\_number** string

Invoice number of the installment or recurring transaction.

Length: Max 12 characters

**description** string

Description of the `installment_info` object.

**total\_count** integer

Total count of the transaction installments as per the cardholder agreement with the merchant.

All customer-initiated transactions require 3DS authentication.

Additionally, `total_count` is required for the following cards and transactions:

**Discover® cards**, including JCB® (US domestic) and Diners® used for merchant-initiated installments and recurring transactions. Default: Not defined

**India-issued Discover cards** used for merchant-initiated recurring transactions.

**India-issued Visa® cards** used for recurring transactions. Values: 1 to 99; Default: 99

**total\_amount** integer

Total installment amount.

Max 500,000 USD

**sequence\_number** integer

Required for Discover card. Sequence of the transactions, displayed in ascending order, when multiple installment payments are submitted.  
Length: 2

**amount\_type** string

Transaction account type applicable to Discover (including JCB and Diner) and Visa cards.

All customer-initiated transactions require 3DS authentication.

Additionally, `amount_type` is required for the following cards and transactions:

**Discover cards**, including JCB (US domestic) and Diners are used for merchant-initiated installments and recurring transactions.

**India-issued Discover cards** are used for merchant-initiated recurring transactions.

**India-issued Visa cards** are used for recurring transactions.

Default: Fixed

**interval** string

Frequency of a recurring or installment or recurring payment.

This field is required for:

**Discover card** used for merchant-initiated installment or recurring transactions.

**India-issued Visa cards** used for recurring transactions.

**interval\_count** integer

Frequency counts of a installment or recurring payment.

This field is required for:

**Discover card** used for merchant-initiated installment or recurring transactions.

**India-issued Visa cards** used for recurring transactions.

**level2** object

Additional data for purchase card transactions (US only).

**LEVEL2 OBJECT**

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**level3** object

Additional data for purchase card level3 transactions (US only). Supported for Mastercard® and Visa® only. Purchase card level2 is mandatory for level3 transactions.

**LEVEL3 OBJECT**

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**service\_code** string length ≤ 3

Required for all non-keyed transactions and swiped transactions. Service code extracted from the track data.

**magnetic\_Stripe\_Ind** boolean

Indicates whether magnetic stripe card was used.

Values:

True - magnetic stripe swiped transaction

False

**level3\_line\_items** array of objects

List of level3 line items.

**OBJECT****item\_description** string **required** length ≤ 35

Required for reduced interchange and for Mastercard®.

ItemMerchandise description.

Format:

For Mastercard, level 3 must not be all Os (zeros) or all high/low values.

For Visa, level 3 must not be all spaces or all Os (zeros).

Length: Maximum 35 characters.

**product\_code** string **required** length ≤ 12

Required for Mastercard and Visa. Product or Universal Product Code (UPC).

Format: Must not be all spaces.

**unit\_cost** int64 **required**

Unit cost of level3 line item.

Format: For Visa must not be all spaces or Os (zeros).

**quantity** number **required**

Item quantity information; required for reduced interchange.

Format: Must not be all spaces or Os (zeros); Last 4 digits are considered decimal places, example: 20.0000

**discount\_amount** int64

Discount amount applied to the level3 line item.

Format: For Visa level2 must not be all Os (zeros), if a discount exists.

**unit\_of\_measure** string **required** length ≤ 12

Unit of measurement codes used for international trade. Required for reduced interchange for both Mastercard and Visa. See [Unit of Measurement codes](#).

**commodity\_code** string length ≤ 12

Required for Visa. Indicates classification of purchased items.

**ADD OBJECT**

**threeds** object

EMV® 3-D Secure (3DS) schema.

**THREEDS OBJECT**

X

**source** string **required** length ≤ 15Source of the 3-D Secure (3DS) authentication, for example: `NON_CLOVER`.**authentication\_result** object **required**

EMV® 3-D Secure (3DS) authentication result. 3-D Secure is a protocol that provides an additional security layer for online credit and debit card-not-present (CNP) transactions.

**AUTHENTICATION\_RESULT OBJECT**

X

**authentication\_status** string

Indicates authentication status of 3-D Secure (3DS) transaction.

**transaction\_id** string

3-D Secure (3DS) transaction identifier.

**cryptogram** string

3-D Secure (3DS) cryptogram. This is an authentication method associated with cards stored as Android device tokens. Returned payment data includes a (3DS) cryptogram generated on the device.

**threeds\_version** string

3-D Secure (3DS) authentication version.

**Note:** Clover supports 3-D Secure (3DS) version 2.0 only. Upgrade your version to 2.0, as 1.0 is no longer supported.**tax\_rate\_uuid** string ≥ 0Tax rate universally unique identifiers (UUID). Use the [Get all tax rates](#) endpoint to retrieve merchant tax UUID information. The tax is not automatically added to the total amount. Your app must ensure the Amount property is the total final amount to charge the customer.**tax\_amount** int64 ≥ 0

Amount paid in taxes. This value is not automatically added to the total amount. Your app must ensure the Amount property is the total final amount to charge the customer.

**tip\_amount** int64 ≥ 0

Amount paid in tips. This value is automatically added to the total amount when the transaction is finalized.

**tender** object

Custom tender to charge or pay for the order, for example: cash or check.

#### TENDER OBJECT

X

**label\_key** string

Cash and check system tenders.

**label** string

Name of the custom merchant tender.

**id** string

Universally unique identifier (UUID) of the custom merchant tender.

#### HEADERS

**x-forwarded-for** string **required**

Client internet protocol (IP) address of the web browser from which the customer's payment originates.

Note: Header x-forwarded-for is required for enhanced security and accuracy of Clover services. Requests that don't include the header are not successful.

#### RESPONSES

200

Successful response. Charge created.

▼

#### RESPONSE BODY

object

**amount** int64 **required**

Charge amount in cents. If the charge request includes tax ( `tax_rate_uuid` or `tax_amount` ), this value must be the sum of any item prices and any tax or tip.

For example, if the item cost = \$10 and the tax is \$1, the amount is 1100 cents (\$11).

Format: cents

**tax\_amount** int64  $\geq 0$

Amount paid in taxes. This value is not automatically added to the total amount. Your app must ensure the Amount property is the total final amount to charge the customer.

**tip\_amount** int64  $\geq 0$

Amount paid in tips. This value is automatically added to the total amount when the transaction is finalized.

**additional\_charges** object

Additional surcharge or other fee applied on the transaction.

**amount** integer

Amount of the additional charges applied on the transaction.

Format: Cents

**id** string 13 to 13

Unique identifier of the additional charge.

**rate** integer

Item-specific tax of an additional charge where a 10% rate is defined as 1000000.

**type** string

Type of the additional charge collected on the transaction.

CREDIT\_SURCHARGE

**amount\_refunded** int64 **required**

Amount refunded in cents. This value can be less than the amount property on the charge if a partial refund is issued.

**partial\_auth** boolean

Indicates if the transaction was partially approved.

**billing\_details** object **required****address**

Billing address.

ADDRESS

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**email** string | null

Email address of the customer.

**name** string | null

Full name of the customer.

**phone** string | null

Phone number (including extension) of the customer.

**captured** boolean **required**

Indicates whether to immediately capture the charge.

Values:

True - Default.

False - Indicates the charge transaction type is AUTH (or PRE-AUTH), and the charge can be captured later using the [capture a charge](#) endpoint.

**created** int64 required

Charge creation time (Unix timestamp in milliseconds).

**currency** string required

Three-letter [ISO 4217 currency code](#).

Format: Lower case

Length: Maximum 3

**customer** string length ≤ 5000

Unique identifier of the customer associated with the charge.

**description** string | null

Detail description of the charge.

**external\_reference\_id** string

Unique identifier (ID), such as an invoice or purchase order (PO) number, that is sent to the merchant's gateway and displayed in settlement records.

Format: Supported for US—alphanumeric characters with in-between spaces.

Length: Maximum 12, including spaces and alphanumeric characters.

**external\_customer\_reference** string

Customer reference number from the merchant's order management system.

**auth\_code** string | null

Authorization code of the charge, if available.

**ref\_num** string | null

Reference number returned from the payment gateway when the transaction is successful.

**failure\_code** string | null

Error code explaining the reason for the charge failure.

**failure\_message** string | null

Detailed information about the reason for the charge failure.

**warning\_message** string | null

Detailed warning information about the charge. Example: Missing original transaction identifier for c-token.

**id** string required length ≤ 5000

Unique identifier of the charge.

**livemode** boolean **required**

Indicates whether the token object is live in production.

**metadata** string **required** length ≤ 500

Set of key-value pairs that you can attach to the object. This parameter is useful for storing additional information about the object in a structured format.

Length: Maximum 500 characters

**object** string **required**

Object type.

charge

**order** string length ≤ 5000

Unique identifier of the order.

**outcome** object

Explanation of whether and why the payment was accepted.

**OPTION 1**

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**CHARGEOUTCOME**

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**paid** boolean **required**

Indicates whether the charge was successful or authorized for capture.

**payment\_method\_details** string

Indicates the payment method used for the charge.

card ach paypal giftCard

**on\_behalf\_of** boolean

Indicates the transaction was made on someone's behalf.

**debt\_payment** string

Indicates the status of the charge.

approved declined not\_processed

**receipt\_email** string | null

Email address to which the charge receipt is sent. Receipts are sent only after the charge is paid.

**Note:** Receipts are not sent in the sandbox environment.

**receipt\_number** string | null

Receipt number of the charge.

**receipt\_url** string **required** length ≤ 5000

URL where the charge receipt is accessible. The receipt displays the latest state of the charge, including any refunds. If the charge is for an invoice, the receipt is displayed as an invoice.

**refunded** boolean **required**

Indicates whether the charge was fully refunded or partial refunded.

Values:

True - Full refunded

False - Partially refunded

**shipping**

Shipping information for the charge.

**SHIPPING**

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**source** object | null

Payment source of the charge. This can be a token or an alternate tender.

**id** string length ≤ 5000

Unique identifier (Clover token).

**object** string length ≤ 5000

Type of source. Example: Card or Bank account.

**address\_city** string | null

City of the customer's address. Can include district, suburb, town, or village.

**address\_country** string | null

Billing address country, if provided.

**address\_line1** string | null

First line of the customer's address. Can include the street address, PO box, or company name.

**address\_line1\_check** string | null

Result of the verification check of the address.

pass failed unavailable unchecked

**address\_line2** string | null

Second line of the customer's address. Can include the apartment, suite, unit, or building number.

**address\_state** string | null

State of the customer's address. Can include county, province, or region.

**address\_zip** string | null

Postal or ZIP code of the customer's address.

**address\_zip\_check** string | null

Result of the verification check of the address postal code.

pass failed unavailable unchecked

**brand** string | null

Card brand.

**country** string | null

2-character country code.

**cvc\_check** string | null

Result of the verification check of the cvv code.

pass failed unavailable unchecked

**exp\_month** string length ≤ 5000

Card expiration month in 2-digit format.

Format: mm

**exp\_year** string length ≤ 5000

Card expiration year in 2-or 4-digit format.

Format: yy or yyyy

**fingerprint** string length ≤ 5000

Unique identifier for this source.

**first6** string length ≤ 5000

First 6 numbers of the primary account number.

**funding** string length ≤ 5000

Type of card used for the payment.

**last4** string length ≤ 5000

Last 4 numbers of the primary account number.

**name** string length ≤ 5000

Cardholder's full name on the card.

**status** string **required** length ≤ 5000

Payment status of the charge.

succeeded pending failed

**stored\_credentials** object

Stored credentials for a transaction. For subsequent payments with a saved card, stored credentials are available only with multi-pay (mTokens) tokens. See [Save a card for future transactions](#) for more information.

**sequence** string

Indicates sequence of the external tokens such as Transarmor token.

Values:

FIRST - for new transarmor tokens

SUBSEQUENT - for existing transarmor tokens

FIRST SUBSEQUENT

**is\_scheduled** boolean

Indicates whether the transaction is scheduled or part of an installment.

Values:

True - Transaction is scheduled.

False - Transaction is part of an installment. Installments are only available in the US.

**initiator** string

Indicates with whose consent the transaction is initiated.

Values:

Cardholder

Merchant

MERCHANT CARDHOLDER

**installment\_info** object

Installment information for the transaction.

INSTALLMENT\_INFO OBJECT

**soft\_descriptor** object

Soft descriptor information for a transaction. This information displays on the customer's card statement in place of the merchant's business information on record.

**dba\_name** string length ≤ 38

Merchant doing business as (DBA) name, product, or service.

Length: Max 38 alphanumeric characters.

**street** string

Merchant's street address.

**city** string

Merchant's city.

**region** string length ≤ 2

Merchant's state.

Format: 2-character postal abbreviation (US only).

**postal\_code** string

Merchant's postal code.

**country\_code** string length between 3 and 3

Merchant's country code.

Format: 3-digit; see the [Country code reference](#).

**merchant\_contact\_info** string

Merchant's phone number or email address.

Format: Max 13 characters for Discover® and Visa® transactions.

**threeds** object

3DSecure validation result.

**validation\_result** string

Indicates validation result of 3DSecure transaction.

AUTHENTICATION\_FAILED AUTHENTICATION\_SUCCESSFUL ISSUER\_DOES\_NOT\_PARTICIPATE  
ATTEMPTED\_UNSUCCESSFULLY ATTEMPTED\_SUCCESSFULLY NOT\_POSSIBLE

**source** string

Source of the 3DSecure transaction. Example: CLOVER or NON\_CLOVER

**gift\_card** object

Indicates meta data of the gift card.

**previous\_balance** integer

Indicates the previous balance before the transaction was initiated.

**new\_balance** integer

Indicates the updated balance after the transaction is completed.

**lock\_amount** integer

Indicates the value on the card that was locked due to a balance lock transaction.

**expiration\_date** string

Indicates the account expiration date.

**lock\_id** integer

Unique lock number identifier for each balance lock record. The `lock_id` helps capture the authorized amount and is applicable for pre-auth and capture flow.

**number** string

Embossed card number on the gift card or the ift card number. Only applicable for virtual gift card activation.

**security\_card\_value** string

Gift card security code. Only applicable for virtual gift card activation.

**level2** object

Additional data for purchase card transactions (US only).

**tax\_amount** int64

Part of the transaction amount that indicates the sales tax. A `pc_order_number` is required when including a `tax_amount`.

**tax\_indicator** integer

Taxable status of the transaction.

Values:

- 0 – No tax information provided.
- 1 – Tax amount is provided.
- 2 – Purchase item is tax exempt or non-taxable.

1 2

**purchase\_identifier** string

Identifier, such as stock keeping unit (SKU), code or reference number that the merchant or customer uses to identify the purchase.

**pc\_order\_number** string

Order number or customer reference number reported as part of the purchase card data.

**discount\_amount** int64

Discount amount for the transaction.

Format: Cents

**freight\_amount** int64

Freight amount included for the transaction.

Format: Cents

**duty\_amount** int64

Duty amount included for the transaction.

Format: Cents

**destination\_postal\_code** string

Postal or ZIP code of the delivery location.

**ship\_from\_postal\_code** string

Postal or ZIP code of the shipping location.

**destination\_country\_code** integer

Delivery location country code.

Format: 3-digit code; see the [Country code reference](#).

**merchant\_tax\_id** string

Only for Mastercard®. Identifier (ID) for the tax the merchant collects for the transaction.

**product\_description** string

Description of the purchased item.

**level3** object

Additional data for purchase card level3 transactions (US only). Supported for Mastercard® and Visa® only. Purchase card level2 is mandatory for level3 transactions.

**service\_code** string length ≤ 3

Required for all non-keyed transactions and swiped transactions. Service code extracted from the track data.

**magnetic\_Stripe\_Ind** boolean

Indicates whether magnetic stripe card was used.

Values:

True - magnetic stripe swiped transaction

False

**level3\_line\_items** array of objects

List of level3 line items.

## object

**item\_description** string **required** length ≤ 35

Required for reduced interchange and for Mastercard®. ItemMerchandise description.

Format:

For Mastercard, level 3 must not be all Os (zeros) or all high/low values.

For Visa, level 3 must not be all spaces or all Os (zeros).

Length: Maximum 35 characters.

**product\_code** string **required** length ≤ 12

Required for Mastercard and Visa. Product or Universal Product Code (UPC).

Format: Must not be all spaces.

**unit\_cost** int64 **required**

Unit cost of level3 line item.

Format: For Visa must not be all spaces or Os (zeros).

**quantity** number **required**

Item quantity information; required for reduced interchange.

Format: Must not be all spaces or Os (zeros); Last 4 digits are considered decimal places, example: 20.0000

**discount\_amount** int64

Discount amount applied to the level3 line item.

Format: For Visa level2 must not be all Os (zeros), if a discount exists.

**unit\_of\_measure** string **required** length ≤ 12

Unit of measurement codes used for international trade. Required for reduced interchange for both Mastercard and Visa. See [Unit of Measurement codes](#).

**commodity\_code** string length ≤ 12

Required for Visa. Indicates classification of purchased items.

**saved\_credentials\_on\_file** object

Data about any surcharge or other fee applied to a transaction.

**tokenType** string

Multi-pay token type such as TransArmor.

TRANSARMOR

**value** integer

The percentage of the total assessed as a surcharge or other fee. This value is set when a merchant is boarded to Clover Percentages are defined to four decimal places. For example, the value of a 3.5% surcharge is 35000 (3.5\*10000).

**ref\_num** string

Identifier of additional charges.

**ecomind** string Defaults to ecom

Indicates the source of the card data.

ecom moto retail

**amount\_captured** int64

Total amount captured for pre-auth transactions.

400

Bad request.

>

## LANGUAGE



Shell



Node



Ruby



PHP



Python

⋮

## CREDENTIALS

OAUTH2

OAuth2

Bearer token



Updated 5 months ago

← Void or remove a service charge  
from an order

Get charges →

Did this page help you?  Yes  No