☰   📖 **Guides**   🔍

(MSC Pilot) Manage service charges for Web apps	⌃⌄

(MSC Pilot) Manage service charges for Web apps

Learn how to use the MSC REST API to manage multiple service charges (MSC) for Web apps.

[North America—United States and Canada]

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MSC FAQ

This topic describes how to use the MSC REST API to manage multiple service charges (MSC) for Web apps. The endpoints are organized into two sections for merchant-level and order-level endpoints:

REST APIs to manage service charges	Description
Merchant-level REST API endpoints	Use to: - Get a list of all service charges - Get details for single service charge
Order-level REST API endpoints	Use to: - Add one or more service charges associated with a merchant to a given order - Remove one or more service charges associated with a merchant from an order - Get a single service charge associated with an order - Get the list of service charges associated with a given ord

> 📘 **NOTE**
>
> To access the complete, testable MSC REST API reference endpoints, see the
> [MSC REST API Index](#).

Merchant-level REST API endpoints

1. Get service charges associated with a merchant

Use the `v3/merchants/{mId}/order_fees` endpoint to:

- get a list of all service charges
- get a single charge associated with a merchant

1.1 Get a list of all service charges

1. Send a **GET** request to `v3/merchants/{mId}/order_fees`.
2. Enter the merchant identifier (`mId`) in the request.

Request   Response

```
curl --request GET  \
--url 'https://sandbox.dev.clover.com/v3/merchants/{mId}/order_fees' \
--header 'content-type: application/json' \
--header 'Authorization: Bearer {access_token}'
```

Request parameters

Property	Type	Description	Required/ Optional
`mId`	string	Merchant identifier.	Required
`Query filter`	string	Filter fields: - modifiedTime - amount - serviceChargeUuid - type - percentage - name - createdTime	Required

Property	Type	Description	Required/ Optional
		- id - deletedTime	

Response parameters

Property	Type	Description
id	string	Service charge identifier.
name	string	Service charge name.
percentage	integer	Service charge amount in percent.
createdTime	integer	Timestamp when the order fee was created.
modifiedTime	integer	Timestamp when the service charge was last modified.

1.2 Get details for a single service charge

1. Send a **GET** request to `v3/merchants/{mId}/order_fees/{orderFeeId}` .
2. Enter the merchant identifier (`mId`) and the order fee identifier (`orderFeeId`) in the request.

Request   Response

```
curl --request GET  \
--url 'https://sandbox.dev.clover.com/v3/merchants/{mId}/order_fees/{orderFeeId}' \
--header 'content-type: application/json' \
--header 'Authorization: Bearer {access_token}'
```

Request parameters

Property	Type	Description	Required/ Optional
mId	string	Merchant identifier.	Required
orderFeeId	string	Order fee identifier.	Required

Response parameters

Property	Type	Description
id	string	Order fee identifier.
name	string	Service charge (order fee) name.

Property	Type	Description
`percentage`	integer	Service charge amount in percent.
`createdTime`	integer	Time when the service charge was recorded on the server.
`modifiedTime`	integer	Time when the service charge was modified on the server.

Order-level REST API endpoints

1. Use the `isOrderFee` object flag to control where service charges appear

At the API level, service charges are handled as line items (of *service charge* type). However, in your app interface, service charges should not display with the line items—they should be listed after the subtotal because taxes are not applied to service fees.

You can control the placement of service charges in your app interface using the `isOrderFee` object flag.

- For regular (non-service charge) lineItems the `LineItem` object flag is set to `isOrderFee` : **false**.

- When using `orderFeeLineItem` , set the `LineItem` object flag to `isOrderFee` : **true**.

Make sure the response for the service charges found indicates `isOrderFee` : **true**. For example:

Example response to get order fee line item

```
{
"id": "S4XK3VG1RXK1C",
"orderRef": {
"id": "P6JVBY8V8KFEC"
},
"name": "test order fee 2",
"price": 0,
"note": "test note",
"printed": false,
"createdTime": 1709732377000,
"orderClientCreatedTime": 1709732166000,
"exchanged": false,
"refunded": false,
"isRevenue": false,
"percentage": 190000,
"orderFee": {
```

```
    "id": "7M8463224GJ5R"
    },
    "isOrderFee": true
```

Make service charges display in the correct location

1. For the regular order line items, **filter out** service charge line items using the `isOrderFee` : **false** object flag.

2. For the post-subtotal item list, **include** service charges using the `isOrderFee` : **true** object flag.
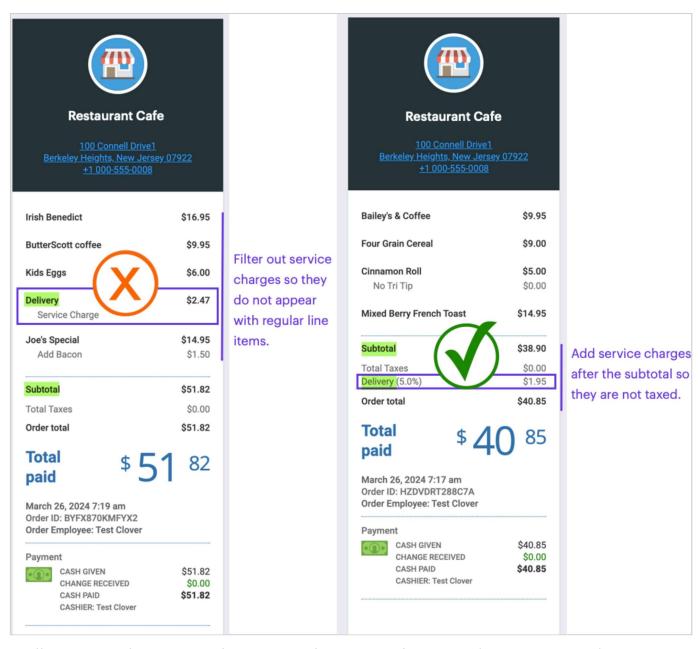

Illustration of correct and incorrect placement of service charges in an order receipt

2. Get a list of service charges associated with an order

1. Send a **GET** request to the
   `v3/merchants/{mId}/orders/{orderId}/order_fee_line_items` endpoint.

2. Enter the merchant identifier (`mId`) and the order identifier (`orderId`) in the request.

Request   Response

```
curl --request GET  \
--url 'https://sandbox.dev.clover.com/v3/merchants/{mId}/orders/{orderId}/order_fee_line_i
--header 'content-type: application/json' \
--header 'Authorization: Bearer {access_token}'
```

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Request parameters

Property	Type	Description	Required/ Optional
mId	string	Merchant identifier.	Required
orderId	string	Order identifier.	Required
Expand query	string	Expandable fields: - employee - order type - payments	Optional

Response parameters

Parameter	Type	Description
id	string	Merchant identifier.
orderRefid	string	Reference identifier of the order fee with which the service charge is associated.
name	string	Name of the order fee.
price	integer	Order fee price.
note	string	Comments or information, if any.
createdTime	integer	Time when the service charge was recorded on the server.
orderClientCreatedTime	integer	Order client-created time for user data of line item.
percentage	integer	Service charge amount in percent.

Parameter	Type	Description
orderFeeid	string	Order fee identifier.

3. Add service charges associated with a merchant to an order

> 📘 **NOTE**
>
> **No tax on order fees**—Since MSC order fees are treated as line items, and order fees are non-taxed items, you must mark each order fee line item as a **0% No Tax Applied** tax.
>
> For more information, see Tax report example 5: zero tax.

To add one or more service charges associated with a merchant to an order:

1. Send a **POST** request to
   `/v3/merchants/{mId}/orders/{orderId}/order_fee_line_items` .

2. Enter the merchant identifier (`mId`) and order identifier (`orderId`) in the request.

Request   Response

```
curl --request POST  \
--url 'https://sandbox.dev.clover.com/v3/merchants/{mId}/orders/{orderId}/order_fee_line_i
--header 'content-type: application/json' \
--header 'Authorization: Bearer {access_token}'
```

Request parameters

Parameter	Description	Required/ Optional
mId	Merchant identifier.	Required
orderId	Order identifier.	Required

Response parameters

Parameter	Type	Description
id	string	Merchant identifier.
orderRefid	string	Reference identifier of the order fee with which the service charge is associated

Parameter	Type	Description
name	string	Name of the order fee.
price	integer	Order fee price.
note	string	Comments or information, if any.
createdTime	integer	Time when the service charge was recorded on the server.
orderClientCreatedTime	integer	Order client-created time for user data of line item.
percentage	integer	Service charge amount in percent.
orderFeeid	string	Order fee identifier.

4. Remove service charges associated with a merchant from an order

To remove one or more service charges associated with a merchant from an order:

1. Send a **DELETE** request to
   `/v3/merchants/{mId}/orders/{orderId}/order_fee_line_items/{orderFeeLineItemId}` .
2. Enter the merchant identifier (`mId`), order identifier (`orderId`) and the order fee line item identifier (`orderFeeLineitemId`) in the request.

Request

```
curl --request DELETE  \
--url 'https://sandbox.dev.clover.com/v3/merchants/{mId}/orders/{orderId}/order_fee_line_i
--header 'content-type: application/json' \
--header 'Authorization: Bearer {access_token}'
```

Request parameters

Parameter	Type	Description	Required/ Optional
mId	string	Merchant identifier.	Required
orderId	string	Order identifier.	Required
orderFeeLineItemId	string	Order fee line item identifier.	Required

Response parameters

Message	Type	Description
200	string	Successful response. Service charge is deleted.

Updated 4 months ago

← Print orders with the REST API

Manage transaction data (REST API) →

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