

What's new: 2024



What's new: 2024

October 2024

Ecommerce

Added support for personal Apple Pay certificates to use with Clover APIs

North America—United States and Canada

Sandbox

Production

Clover allows merchants to process Apple Pay® transactions using personal Apple certificates. Merchants with existing Apple certificates can use Clover APIs without requiring certification changes.

Extended Clover Gift Card support in the Canada region

North America—United States and Canada

Sandbox

Production

Clover offers gift cards for merchants in the United States and Canada. A gift card is a prepaid payment card used to purchase at participating restaurants, stores, or online retailers. A gift card can have different denominations. Your merchant must sign up for [Clover Gift Cards](#) to use the Gift Card API. See the [Gift Card API tutorial](#) for more details.

Point of Sale

Added capabilities to meet fiscalization requirements from Revenu Québec

Canada

To support Revenu Québec fiscalization requirements, Clover added the following capabilities to its payment SDK:

- Option to send custom payment receipts
- Option to hide or show text and email receipts on the Orders app
- Support for Fiscalization app
- Support for payment flows if the text and email receipt options are not supported
- Testing of the app for custom payment receipt

Documentation

Reorganized and added information for Clover Gift Card tutorials and endpoint

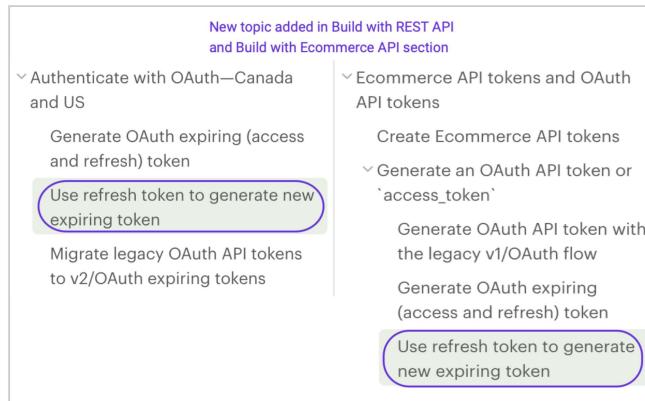
Reorganized the left navigation and added information to the Clover Gift Card section for ease of access and use. In the Build with Ecommerce API section, the [Use the Clover Ecommerce Gift Card API](#) topic provides an overview of Clover Gift Cards and navigation tiles to access specific tutorials for each Gift Card API endpoint. The tutorials and endpoints provide in-depth information, including prerequisites and code samples for different use cases.

The screenshot shows the Clover developer documentation website. The top navigation bar includes links for Release Notes, Announcements, Videos, and Blog. Below the navigation is a secondary menu with Guides, Recipes, API Reference, and API Changelog. The main content area has a sidebar with sections like INTRODUCTION (Home, Get started, Monetize your apps, Meet our merchants), CLOVER DEVELOPER ENVIRONMENTS, CLOVER PLATFORM OVERVIEW, GLOBAL DEVELOPER PLATFORM, CREATE and MANAGE CLOVER APPS, BUILD WITH ANDROID, BUILD WITH REST API, BUILD WITH ECOMMERCE API, ECOMMERCE PLUGINS (US and Canada only), and SEMI-INTEGRATION OVERVIEW. The main content area features a "Home" section with text about Clover's mission to design low-cost POS systems for SMBs and its open platform for developers. It also highlights the "Clover App Market" where developers can connect their apps to merchants. The "BUILD WITH ECOMMERCE API" section is expanded, showing detailed information about supporting Revenu Québec fiscalization requirements.

Reorganized Clover Ecommerce Gift Card navigation

Reorganized and added information for Clover v2/OAuth flow

- Updated the presentation of v2/OAuth information in the Clover REST API documentation—[Understand the Clover v2/OAuth flow](#) section. The topics now provide prerequisites, steps, and code samples in a standard format across topics.
- Added a new topic on how your app must generate a new expiring token before the current one expires to maintain the OAuth flow. The topic is available in the REST API and the Ecommerce API sections: [Use refresh token to generate new expiring token](#).



Left navigation: Use refresh token to generate new expiring token topic

September 2024

Android payments

Added new APIs to support Clover Android payments

United States

Production

Introduced new APIs to support the [Clover Android payments](#). These APIs offer an Intent-based solution to support third-party applications running on Clover devices. For details, see the following:

- [Issue a manual refund](#)
- [Read a card](#)
- [Incremental authorization](#)
- [Request a tip](#)

- [Select a receipt](#)
- [Adjust a tip](#)
- [Closeout](#)

Global Developer Platform

Updated how developers access the Global Developer Platform

North America—US and Canada

Global developer platform

The [Global Developer Platform documentation](#) was updated to reflect new URLs for signing up and logging in. These new URLs are part of the Multi-factor authentication (MFA) rollout announced in early September.

To access the Clover global developer platform:

- If you already have an account, use this URL to log in to the Global Developer Dashboard: <https://www.clover.com/global-developer-home>.
- If you are a first-time user, use this URL to create a new account: <https://www.clover.com/global-developer-home/public/create-account>. For instructions, see [Create a global developer account](#).



Global developer platform update: Multi-factor authentication (MFA)

In **September 2024**, Clover is enhancing global developer account security to improve the user experience on its global developer platform. See [Action required: Multi-factor authentication \(MFA\) set up](#) for set-up steps.

If you created a new global developer account in mid-September 2024, you may experience a delay in access to your developer account while the migration is underway. We are migrating accounts in waves and do not expect more than a 12-hour delay for any individual developer. If you cannot login, try again the next day. Migration will be complete by September 30.

Ecommerce

Added Apple Pay® button to accept payment using iframe integration

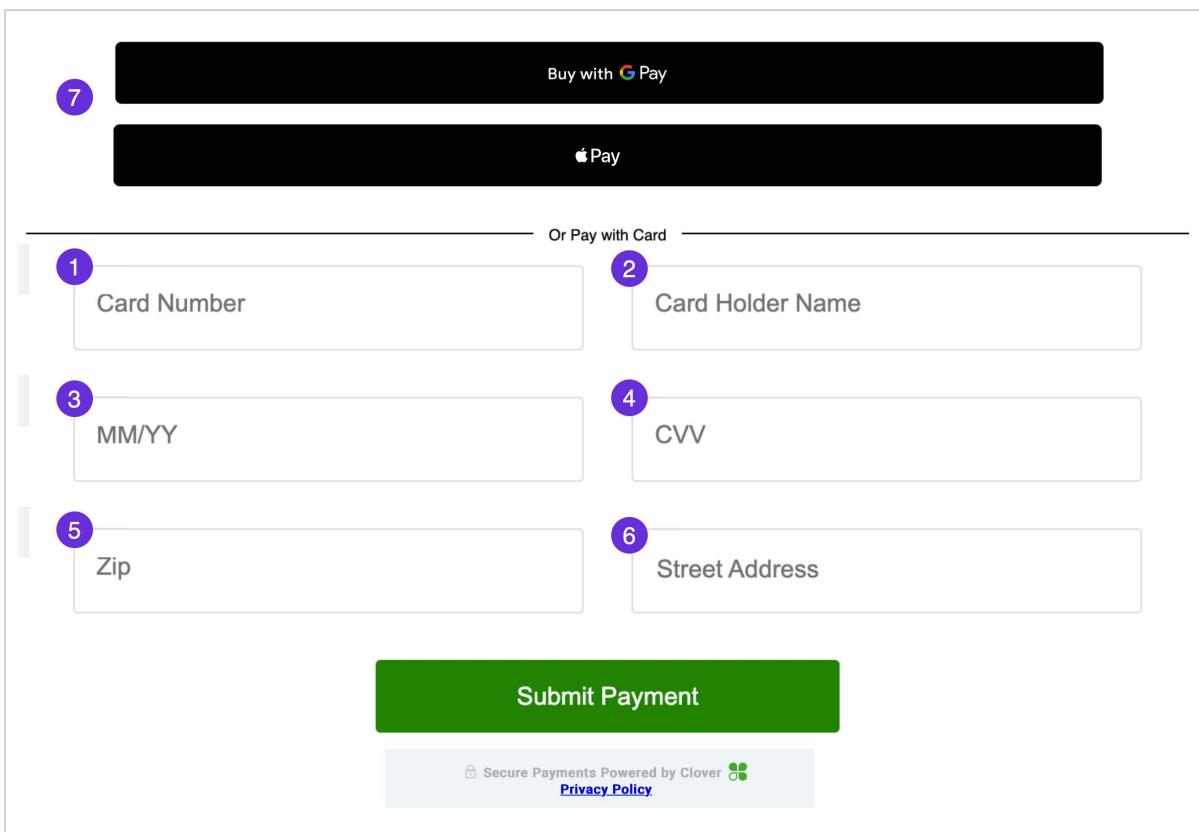
North America—United States and Canada

Sandbox

Production

Added Apple Pay button to accept payment using iframe integration. This feature requires:

- Merchants must comply with Apple's requirements and register their domains/subdomains with Apple through the Clover Merchant Dashboard. The Apple Pay button is mounted on the integrated Clover iFrame on a verified domain to let merchants process Apple Pay payments. See the [Add Apple Pay button to the Clover iframe](#).



GPay and Apple Pay button on Clover iframe

- Developers must comply with Apple's requirements and register their domains/subdomains with Apple through the Developer Dashboard for their app. For domain/subdomain registrations — **Developer Dashboard > App setting > Ecommerce Settings > Hosted iFrame > IFrame integration**.

Integration Type

API

Hosted iFrame

Use reCAPTCHA for all transactions made through iFrame embedded page.

reCAPTCHA is a test to tell valid users and bots apart. It blocks automated software and prevents spamming while giving your customers a sense of security.

Please note: In order to use reCAPTCHA with the Clover-hosted IFrame, you will need to share the merchant ID with Clover for integration. You can find instructions on how to do that [here](#).

IFrame integration

To enable Apple Pay on your website Iframe, begin by verifying your domain(s) [here](#).

Hosted Checkout

Developer Dashboard - Edit Ecommerce settings

Updated Ecommerce APIs for TransArmor® tokens

North America—United States and Canada

Sandbox

Production

Updated [Ecommerce APIs for TransArmor token](#) to provide:

- Additional layer of security to protect cardholder data during transactions.
- Less requirement for the regeneration of payment tokens.

To support the (TransArmor) TA token, you can:

- Create a Clover token with an existing TransArmor token using the [create Clover token from an external token](#) endpoint.
- Create a new TA token using the [create a charge](#) or [pay for order](#) endpoints.

Global developer platform

Improved user experience with enhanced secure access to the Global Developer Dashboard

North America—US and Canada

Latin America—Brazil and Mexico

Global developer platform

Enhanced the Clover global developer platform to improve user experience with an updated interface and advanced security features. The Global Developer Dashboard lets developers effortlessly manage their apps throughout their lifecycle—from creating and testing in the sandbox to production releases across regions. For more information on the updates and related topics, see our [Announcement](#).

How to access:

- **Existing users** — Log in to the [Global Developer Dashboard](#).
- **New users** — Create a new account on the [global developer platform](#).

Hardware

Upgraded Clover Go Android version to v4.7 and iOS version to v4.7.1

North America—United States and Canada

Production

Upgraded Clover Go devices, compatible with Android version 8 or iOS version 14, to v4.7 and v4.7.1, respectively.

Clover Go app version 4.7 includes:

- Setup POS app
- Set employee passcode app
- Information architecture changes for a consistent experience
 - Restructured More screen to align with the Web Dashboard
 - Added KDS and Gift Card reports to the Reports section
 - Added menus and discounts to the Items section
- Usability fixes

Documentation

Added prerequisite to access developer info on the Developer Dashboard

United States

Canada

Europe

Latin America

Sandbox

Production

Updated the [Submit developer account for approval](#) topic to inform that a developer must have Owner role to view and edit account settings in Developer Settings—Account

Info. Only an Owner can accept the [Clover Developer Agreement](#).

Added information about test merchant tokens to the Ecommerce API basics

North America—US and Canada

Global developer platform

In the [Ecommerce API basics](#) topic: [Get started with the Global Developer Dashboard](#) section, updated the options to either:

- [Create an app](#) and select the **Enable online payments** checkbox for Ecommerce, and then select **Ecommerce Settings**.
—or—
- [Create public and private API tokens](#) for your test merchant. With a [merchantId](#) and the test API token, you can test interactions with the Clover Ecommerce API and your ecommerce integrations.

Added procedure and information for the v2/OAuth flow

North America—US and Canada

Global developer platform

Updated the [Authenticate with OAuth—Canada and US](#) topic with the following information:

- Introduction, including video and terminology section
- Before you begin instructions and Generate a v2/OAuth token procedure
- Understand the v2/OAuth flow section with links to subtopics that now display under the [OAuth flows in Clover](#) main topic.

Additionally, reorganized the left navigation to display the [Refresh access tokens](#) and [Migrate legacy OAuth API tokens to v2/OAuth expiring tokens](#) as subtopics under Authenticate with OAuth—Canada and US topic.

BUILD WITH REST API

Clover REST API basics

> Use Clover REST API

✓ OAuth flows in Clover

 Redirect merchants to your app

 Set app link (URL) and CORS domain

 ✓ Understand the Clover v2/OAuth flow

 High trust apps—Auth code flow

 Low trust apps—Auth code flow with PKCE

 Initiate OAuth flow from the Clover App Market app selection

 ✓ Authenticate with OAuth—Canada and US

 Refresh access tokens

 Migrate legacy OAuth API tokens to v2/OAuth expiring tokens

 Authenticate with OAuth—Europe and Latin America

> Clover REST API tutorials

Developer Docs portal: Left navigation for OAuth topics in the Build with REST API section

August 2024

Ecommerce

Introduced new Ecommerce: Clover Payments plugin for Shopify Online Shop

North America—US and Canada

Global developer platform

Clover offers payment plugins to enable merchants to process payments through Clover on their ecommerce websites, without any need for coding. We have introduced a new Clover Payments plugin for merchants with Shopify Online Shops in the United States (US) and Canada to accept payments using Clover. This new plugin replaces the Payeezy payments plugin. For details, see the following new topics:

- [Ecommerce: Clover Payments plugin for Shopify Online Shop](#)—Includes information on how the plugin works, features, best practices, and recommendations.
- [Integrate Clover Payments with Shopify Online Shop](#)—Includes a demo video, prerequisites, and steps.

Documentation

Added technical specifications for the Clover Flex Pocket

United States

Sandbox

Production

Clover Flex Pocket, a sleek handheld device for a quick and secure payment experience, is available for merchants in the United States. The Clover devices: Technical specifications page is updated to provide information about the [Clover Flex Pocket](#).

Added information in the Ecommerce section on generating OAuth API tokens

North America—US and Canada

Global developer platform

All Ecommerce API endpoints require an OAuth-generated `access_token` with specific permissions to secure communication between your app and the merchant. There are two methods to generate this `access_token`:

- The legacy v1/OAuth flow is for apps created before August 2024 that have not migrated to use expiring authentication tokens.
- The v2/OAuth flow is for new apps created after August 2024 to generate an expiring authentication token.

The following new topics provide detailed information about OAuth tokens:

- [Generate an OAuth API token or `access_token`](#)
- [Generate OAuth API token with the legacy v1/OAuth flow](#)
- [Generate OAuth expiring \(`access` and `refresh`\) token](#)

Updated API Reference overview

United States

Canada

Europe

Latin America

Sandbox

Production

Updated the [API Reference overview](#) topic with information on the integration types, developer environments, and test API tokens. Also, updated the sandbox base URLs for Platform APIs as <https://apisandbox.dev.clover.com>.

July 2024

Documentation

Updated ICloverConnector methods for Argentina merchants

Latin America

Sandbox

Production

The following two ICloverConnector methods are now supported for Argentina merchants:

- Pre-auth with transaction method: `preAuth()` .
- Manual closeout with method: `closeout()` . All merchants are automatically closed out.

For more information, see Regional-specific features and limitations: [Argentina merchants](#).

Added topics to the Global Developer Platform section

North America—US and Canada

Global developer platform

The Global Developer Platform section is updated with two new topics:

- [Create new app](#): Learn about the initial setup for a new app in the Global Developer Dashboard and then how to complete the app information.
- [Manage test merchant accounts and information](#): When you sign up to create a global developer account, a default test merchant account is automatically created for the sandbox and production environments. In this topic, review the steps to create and manage additional test merchant accounts on the Global Developer Dashboard.

Updated credit card surcharge information

North America—United States and Canada

Sandbox

Production

The following topics provide information on credit card surcharging feature availability for merchants in Canada, excluding Quebec, and the United States, excluding states with legal restrictions or prohibitions:

- [Transaction data: Charges and fees](#)
- [Work with transaction data \(Clover Android SDK\)](#)
- [Manage transaction data \(REST API\)](#)
- [Use Remote Pay SDKs for surcharging](#)
- [Use Payment Connector for surcharging](#)

Updated information and topic structure in existing topics

[United States](#)[Canada](#)[Europe](#)[Latin America](#)[Sandbox](#)[Production](#)

- [Clover Ecommerce basics](#): Added overview and information on the different integration types and tools. Also, added a procedure on how to access and use the Global Developer Dashboard and generate API tokens for various integrations.
- [Ecommerce API: Accept payments flow](#): Updated the payments flow procedures to generate an API token or `apiAccessKey` from the Public Access Key Management Service (PAKMS). The `apiAccessKey` is used to tokenize a card, and then the generated card token is used as a `source` to create a charge or pay an order.
- [Generate a merchant-specific API token](#): Added API tokens overview, updated the steps to generate a merchant-specific test API token, and added what you need to test apps in the sandbox and make REST API calls.
- [Manage Android app releases](#): Added overview, prerequisites, steps, images, and field descriptions.

June 2024

Billing and Boarding

Introduced value-added tax (VAT) compliant invoice for developers in Ireland

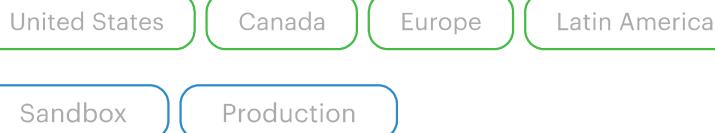
[Europe](#)[Production](#)

Clover sends invoices to developers who have apps in the Clover App Market for merchants in Europe—the United Kingdom (UK) and Ireland. The invoices contain:

- Breakdown of how the developer payout is calculated.
- Exchange rate on currency conversions, if applicable. For example, a merchant in the United Kingdom (UK) uses an app by a developer in the United States (US). In this scenario, the merchant pays for the app in British Pounds (GBP), and the developer receives their payout in US Dollars (USD).
- Value-added tax (VAT) information: Additionally, to comply with value-added tax (VAT) laws, invoices for developers in Ireland display details of any VAT paid out to the developers.

Documentation

Updated information in the Developer Documentation portal



We have updated topics in the Developer Documentation portal with relevant information. See the following links for details:

- [Region-specific features and limitations](#): Updated information on Clover integrations, integration tools across regions, transaction methods overview, along with support and limitations in various regions.
- [REST Pay Display interoperability with Ecommerce API](#): Updated information on how to use REST Pay Display API tokens with the Ecommerce API and added two use cases:
 - One-time charge with a recurring subscription
 - No upfront charge with a recurring subscription
- [Android Emulator for Clover devices](#): Added a new topic that provides essential information to know before setting up an emulator and creating virtual Clover devices.
- [Set up emulator in Android Studio](#): Restructured the information for better usability and added new information on:
 - Using ABI: arm64-v8a for Mac computers, Apple M1 chip series, and the Qualcomm® Snapdragon® X Elite processor. See [Create a new emulator profile](#).
 - [Deleting a virtual device from the Android Emulator](#).

April 2024

Hardware

Upgraded Clover Go to v4.6.1

United States

Canada

Europe

Sandbox

Production

Clover launched the Clover Go version **4.6.1** upgrade of devices in the sandbox and production environments. This upgrade is compatible with Android version 8 or iOS version 14. The features are available in various regions for both Android and iOS:

United States and Canada only:

- Admin offline opt-in: Lets device admin opt for offline payment. When the device is back online, the Web Dashboard is updated.
- Order types: Lets you select an order type through the Options menu on the device.
- Configure payment thresholds: Lets you set a payment threshold limit for all transactions for the merchant.
- Enable native partial refunds: Lets merchants refund a part of the amount to the cardholder account as an earlier payment.

United States, Canada, United Kingdom, and Ireland: Switch primary location in-app: Let users select a location that they use the most when logging into the Clover Go app.

For more information, see March 2024 release notes: [Upgraded Clover Go v4.6](#).

Point of sale (POS) & Reporting

Released for pilot: Multiple service charges for orders

North America—United States and Canada

Sandbox

Production

Released the [multiple service charge](#) feature that lets Clover merchants add multiple types of order fees to an order, such as large dining-party automatic gratuity, special menu upsell fee, and the banquet event fee.

Clover will gradually deploy the multiple service charge (MSC) feature across the merchant base—not all merchants will have the feature enabled at once. As we do this, you can access APIs that let you see the list of service charges your merchants have configured and apply them to orders.

Important: Post-launch, developers must use the new service charge endpoints to use any service charge features. Service charges will require to be added as a new line item. See [Frequently Asked Questions \(FAQ\)](#) about the MSC functionality.

Payments

New daily refund limit for unmatched refunds

North America—United States and Canada

Production

Unmatched or unreferenced refunds are not associated with a sale or order. For enhanced security, Clover has released a feature that sets a default total cumulative daily limit on unmatched refunds for a merchant account. If the merchant exceeds the daily limit, the system declines the refunds. The merchant must contact Clover Support to upgrade the unmatched refund daily limit.

Note: Most refunds are matched or referenced (tied to a sale), and are not affected by the new daily refund limit.

Documentation

Added information about the global developer platform

North America—US and Canada

Global developer platform

Clover launched the global developer platform for developers creating integrations—app-based and semi-integration—for the North America region. Developers in Europe and Latin America—Argentina can continue to use the developer platform with separate sandbox and production environments.

We updated the following topics for information related to the global developer platform:

- [Select an integration and Clover developer tools](#)

- [From sandbox to app launch checklist](#)

Added information about PCI compliance for app developers

[United States](#)[Canada](#)[Europe](#)[Latin America](#)[Sandbox](#)[Production](#)

Payment Card Industry Data Security Standard (PCI DSS) includes a wide range of security controls in the handling of card data and payment information. These controls cover aspects such as system configuration, policies, procedures, and permissions related to cardholder data. Secure software development and effective management play a crucial role in achieving PCI compliance.

The scope of PCI for developers includes minimizing data storage, secure data handling, and vulnerability protection. Clover devices run a custom version of the Android operating system (OS), so your apps need to be compatible with the OS. The [PCI DSS checklist for developers](#) can help you get started with the data security standards and resources for safe payments using your apps on Clover devices.

For more information, see [Payment Card Industry security guidance for app developers](#).

Updated documentation for Latin America: Argentina developers

[Latin America](#)[Sandbox](#)[Production](#)

Developers in Latin America: Argentina can note the following updates:

- [Regional payment parameters for Argentina](#): In the table for the `RegionalExtras` class, added the `MERCHANT_ID_KEY` field to indicate the merchant number configured in the Clover device.
- [Pagos QR: Integración ISV](#) : Updated the images and code samples related to the configuration to accept QR payments.

March 2024

Developer platform

Default activation of reCAPTCHA for e-commerce iframe integrations

[North America—United States and Canada](#)

[Sandbox](#)[Production](#)

Clover enabled the reCAPTCHA feature to mitigate [card-testing attacks](#) for your e-commerce transactions. This feature gets activated automatically when you enable the online payment option for an existing application in the developer app settings.

	READ	WRITE
Customers For customers data, such as names, UUID, and createdDate. Request additional data responsibly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Employees For employees data, such as names, IDs, and shift hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inventory For inventory data, such as items, categories, and modifiers	<input type="checkbox"/>	<input type="checkbox"/>
Merchant For merchant data, such as names, addresses, and business hours	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Orders For orders data, such as line items, order types, and discounts	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Payments For payments data, such as amounts, payment types, and refunds	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ecommerce For Processing payments online <input checked="" type="checkbox"/> Enable online payments		

Developer Dashboard > Edit Requested Permissions page

See [Clover Ecommerce vs. Bots: reCAPTCHA Your Website](#) to learn more about implementing CAPTCHA as a security feature in your Ecommerce integration.

Enhanced the developer bank account add and update feature

[United States](#)[Canada](#)[Europe](#)[Latin America](#)[Sandbox](#)[Production](#)

The manage bank account self-service feature on the Developer Dashboard helps you add or update your developer bank account details with Clover. Prior to March 2024, the feature had limitations in supporting specific countries, SWIFT-based accounts, Sort

code-based United Kingdom (UK) accounts, and Business Identifier Code (BIC) for international bank accounts.

With the enhanced feature, separate user interface workflows on the Developer Dashboard facilitate the process of adding and updating international bank accounts or Canadian and United States (US) bank accounts. You need to provide the following information for your bank account:

- United States and Canada—Routing number
- International bank accounts—SWIFT/BIC (Business Identifier Code) or IBAN (International Bank Account Number)
- United Kingdom—Sort code

The specific code information helps identify bank accounts in different regions and facilitates secure money transfers. See [Manage developer bank account information](#) for more details.

Documentation

Added quick reference guides for LATAM developers

Latin America

Sandbox

If you are developing apps for Argentina in the Latin America (LATAM) region, you can now download quick reference guides (QRGs) in Spanish. The QRGs provide information about the Clover sandbox, semi-integrations, and more. The following QRGs were added in the [Quick reference guides for LATAM region: Argentina developers](#):

- [Get an OAuth token](#) 
- [REST Pay connection](#) 
- [Use Postman with Clover REST Pay Display API](#) 

Hardware

Upgraded Clover Go to v4.6

North America—United States and Canada

Sandbox

Production

Upgraded Clover Go device to version **4.6**, which is compatible with Android version 8 or iOS version 14. The features include:

Android and iOS:

- Support 86-ing: Displays item availability with a toggle indicator
- Modifier enhancements:
 - Add custom modifiers
 - Add multiple of the same modifier
 - Create/edit modifier group
- Add support for Purchase card L2 data
- Support transactions for deposit reconciliation within Clover Go (webview)
- Display closeout settings (web view)

iOS only:

- Add order types
- Support configurable payment thresholds

February 2024

Documentation

Added information about the global developer platform

North America

Sandbox

Production

Clover launched the [global developer platform](#) for developers creating integrations — app-based and semi-integration — for the North America region. Developers in Europe and Latin America—Argentina can continue to use the developer platform with separate sandbox and production environments. We updated the following Clover environment-related topics to indicate the regions and platform-specific information:

- [Use Clover developer environments](#)
- [Get started with sandbox environment](#)
- [Create a sandbox developer account](#)
- [Get started with production environment](#)
- [Create production developer accounts](#)

Added information on card testing fraud on e-commerce websites

North America—United States and Canada

Sandbox

Production

Added a new topic on how to protect e-commerce websites from card testing fraud. Card testing, also known as carding, account testing, and card checking, is a fraudulent activity where a fraudster uses stolen partial or full card credentials to make a small payment, such as a \$1 purchase on an e-commerce website. The purchase is intended to verify if the card is active, check the card expiration date, and validate or guess the card verification value (CVV). If the small purchase is successful, the fraudster starts making larger purchases.

Understanding card testing methods and taking preventive measures are crucial for safeguarding hosted payment pages and e-commerce websites. Detecting and blocking card testing can save transaction fees, inventory, and reputation. To learn more about card testing, see [Protect Ecommerce merchants from card testing fraud](#).

January 2024

Developer platform

reCAPTCHA for iframe integrations

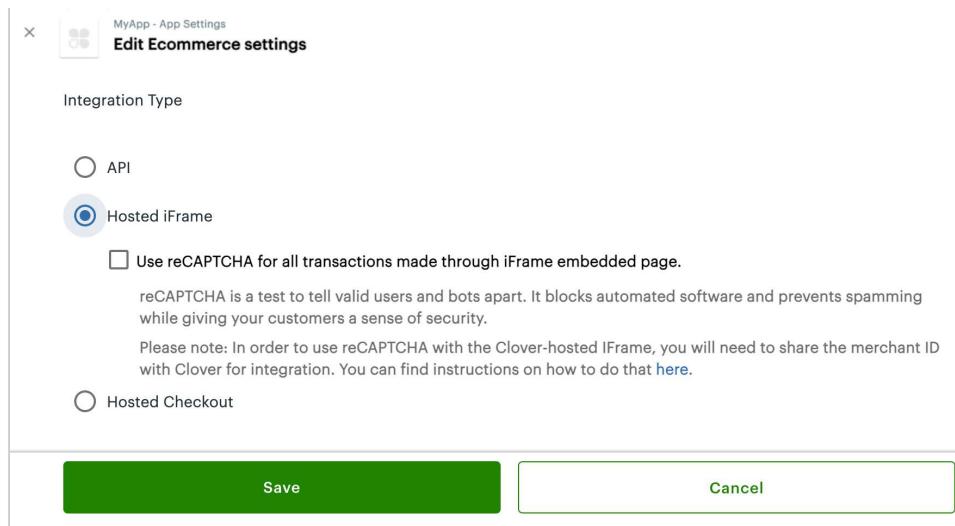
North America—United States and Canada

Sandbox

Production

Added the reCAPTCHA setting on the Developer Dashboard while setting the app-based iframe (Ecommerce) integrations. reCAPTCHA test blocks automated software attacks and prevents transaction spamming.

Enable or disable the reCAPTCHA settings from the Developer Dashboard: **Your Apps > App Settings > Ecommerce Settings > Hosted iFrame**.



Edit Ecommerce settings pop-up: Use reCAPTCHA

Recommendation for developers

Clover requires all hosted `iframe` pages to be protected by reCAPTCHA and recommends turning on the reCAPTCHA setting. You can also integrate your own reCAPTCHA test. See [Manage app settings](#).

Ecommerce

Added Gift Card API for Ecommerce

United States

Sandbox

Production

The Gift Card API for ecommerce supports Clover Gift Card solutions. Customers can redeem the value of gift cards for services, merchandise, or even cash, depending on the terms and conditions set by the issuer of the gift card. Gift cards are redeemable online and at point of sale (POS).

Your merchant needs to sign up for [Clover Gift Cards](#) to use the Gift Card API. See the [Gift Card API tutorial](#) for more details.

Documentation

Added quick reference guides for LATAM developers

Latin America

Sandbox

If you are developing apps for Argentina in the Latin America (LATAM) region, you can now download quick reference guides (QRGs) in Spanish. The QRGs provide information about the Clover sandbox, semi-integrations, and more. See [Quick reference guides for LATAM region: Argentina developers](#) for a list of QRGs.

Updated the left navigation to include the global developer platform

North America—US and Canada

Global developer platform

Clover launched the [global developer platform](#) for developers creating integrations — app-based and semi-integration — for the North America region. We are updating Clover developer documents to include information related to the global developer platform. You can access this information from the left navigation on docs.clover.com.



Left navigation on docs.clover.com

Updated the Known issues and workaround topic for the global developer platform

North America—US and Canada

Global developer platform

We have added information on how to prevent or resolve developer [account lockout due to incorrect login link \(URL\)](#) on the global developer platform.

Hardware

Clover Android ROM quarterly release

North America—United States and Canada

Sandbox

Production

We released the 2024 quarter 1 Clover Android ROM updates to the Clover sandbox environment. ROM updates contain essential bug fixes, security updates, and necessary feature additions.

See the [Clover Android ROM first quarter 2024 updates](#) announcement for more details.

⌚ Updated 5 days ago

← New and latest: Information for developers

What's new: 2023 →

Did this page help you?  Yes  No