

Getting Started with Visa Checkout

on the CyberSource Platform

October 2019

CyberSource[®]
the power of payment

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Recent Revisions to This Document

Release	Changes
October 2019	<p>Updated the enrollment URL. See "Related Documentation," page 6.</p> <p>Updated procedures for the Business Center. See "Integrating Visa Checkout and CyberSource Credit Card Services," page 10.</p> <p>Updated the list of countries or regions and currencies. See Appendix A, "Supported Countries, Regions, and Payment Currencies," on page 17.</p>
September 2019	Updated the list of reports. See "Obtaining Information About Your Transactions," page 16.
June 2019	<p>Changed the name of <i>Mastercard SecureCode</i> to <i>Mastercard Identity Check</i>.</p> <p>Changed the name of <i>Verified by Visa</i> to <i>Visa Secure</i>.</p>
June 2017	<p>Added a country for Visa Checkout merchant enrollment support. See "Supported Countries," page 8.</p> <p>Added information about using Decision Manager with Visa Checkout. See "Using Decision Manager with Visa Checkout," page 14.</p> <p>Updated Appendix A, "Supported Countries, Regions, and Payment Currencies," on page 17.</p>
April 2017	Added information about receiving the PAN. See "How Visa Checkout and CyberSource Work Together," page 7, and "Updating Your Software," page 15.
March 2017	<p>Added countries for Visa Checkout merchant enrollment support. See "Supported Countries," page 8.</p> <p>Updated Appendix A, "Supported Countries, Regions, and Payment Currencies," on page 17.</p>

About This Guide

Audience and Purpose

This document is written for merchants who want to use information from Visa Checkout to process payments through CyberSource.

This document provides an overview for integrating and CyberSource services into an order management system.

Conventions

Note and Warning Statements



Note

A *Note* contains helpful suggestions or references to material not contained in the document.



Warning

A *Warning* contains information or instructions, which, if not heeded, can result in a security risk, irreversible loss of data, or significant cost in time or revenue or both.

Text and Command Conventions

Convention	Usage
bold	<ul style="list-style-type: none">Field and service names in text; for example: Request the ics_auth service.Items that you are instructed to act upon; for example: Click Save.

Related Documentation

CyberSource Documents

Simple Order API documents:

- *Credit Card Services Using the Simple Order API* ([PDF](#) | [HTML](#))
- *Payer Authentication Using the Simple Order API* ([PDF](#) | [HTML](#))
- *Visa Checkout Using the Simple Order API* ([PDF](#) | [HTML](#))

SCMP API documents:

- *Credit Card Services Using the SCMP API* ([PDF](#) | [HTML](#))
- *Payer Authentication Using the SCMP API* ([PDF](#) | [HTML](#))
- *Visa Checkout Using the SCMP API* ([PDF](#) | [HTML](#))

Secure Acceptance document:

- *Secure Acceptance Hosted Checkout Integration Guide* ([PDF](#) | [HTML](#))

Refer to the Support Center for complete CyberSource technical documentation:

http://www.cybersource.com/support_center/support_documentation

Visa Checkout Documents

- *Getting Started with Visa Checkout* (version published by Visa)
- *Visa Checkout JavaScript Integration Guide*

To obtain these documents, contact your local CyberSource sales representative:

<http://www.cybersource.com/locations>

You can also obtain these documents by signing up for a Visa Checkout developer account:

<https://developer.visa.com/#enroll>

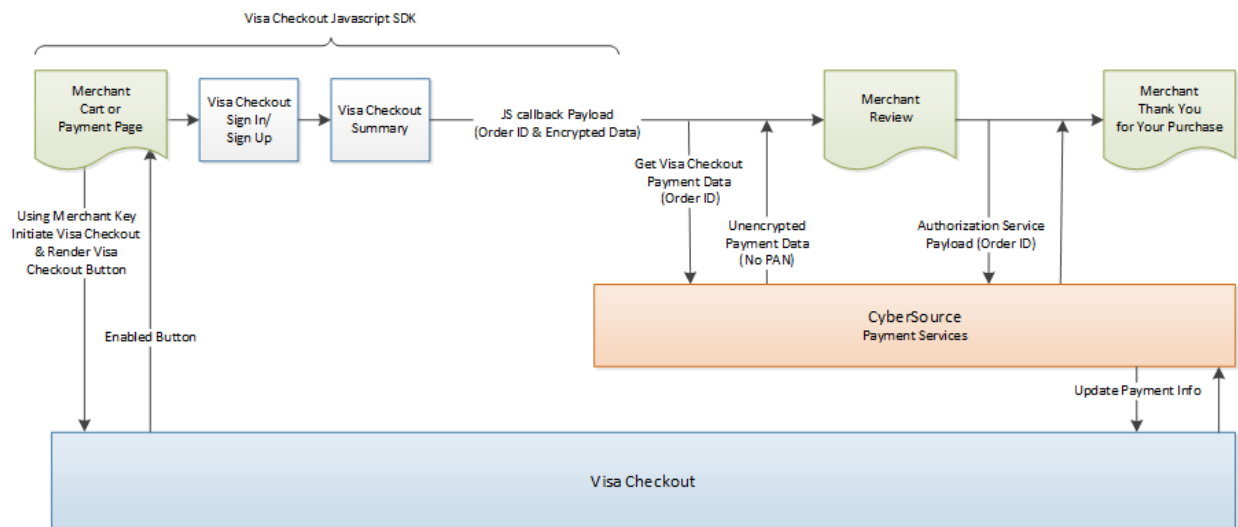
Introduction to Visa Checkout

How Visa Checkout and CyberSource Work Together

CyberSource provides the following services to assist with your Visa Checkout integration:

- Get Visa Checkout data: this service retrieves Visa Checkout data, which enables you to display payment and shipping details to the customer during checkout.
- Authorization: this service enables you to send an authorization request to your processor using Visa Checkout payment data.

Visa Checkout Flow



- 1 Your web site integrates directly with Visa Checkout to display the Visa Checkout button on your checkout page.
- 2 CyberSource provides the get Visa Checkout data service, which retrieves Visa Checkout payment data (except the PAN, unless your account is configured to receive it). You can use the retrieved data to help a customer confirm a purchase.

- 3 You submit an authorization request to CyberSource for credit card processing. Instead of including payment information in the authorization request, you include the Visa Checkout order ID.
- 4 At various points in the transaction cycle, you notify the customer of the transaction status.

Supported Countries

Enrollment

Visa Checkout merchant enrollment is available in the following countries:

- Argentina
- Australia
- Brazil
- Canada
- Chile
- Colombia
- France
- Hong Kong (CN)
- India
- Ireland
- Malaysia
- Mexico
- New Zealand
- Peru
- Poland
- Singapore
- South Africa
- Spain
- United Arab Emirates
- United Kingdom
- United States of America

Payments and Currency

For a list of the countries and currencies from which Visa Checkout payments are accepted, refer to [Appendix A, "Supported Countries, Regions, and Payment Currencies,"](#) on page 17.

Integrating Visa Checkout and CyberSource Credit Card Services

Enabling Visa Checkout

**Note**

The CyberSource Simple Order API, CyberSource SCMP API, and Secure Acceptance support Visa Checkout.

**Note**

To enroll yourself, you must have administrator privileges for your CyberSource account in the Business Center.

You must enable Visa Checkout in the CyberSource production environment for production access. You can enable Visa Checkout yourself if you already have a CyberSource account. If not, contact your local CyberSource sales representative.

To enable in Visa Checkout:

- Step 1** Log in to the Business Center.
 - Step 2** On the left navigation pane, click the **Payment Configuration** icon.
 - Step 3** Click **Digital Payment Solutions**. The Digital Payments page appears.
 - Step 4** Click **Configure**. The Visa Merchant Services Agreement appears.
 - Step 5** Review the Visa Checkout Services Agreement, and click **Agree and Create Account**. The Visa Checkout Configuration panel opens to the Merchant Configuration section.
 - Step 6** Enter your payment details, and then click **Submit**.
-

If you do not already have a CyberSource account, contact your local CyberSource Sales representative to inquire about Visa Checkout eligibility and enrollment:

<http://www.cybersource.com/locations/>

During Visa Checkout enrollment, you can choose to receive primary account number (PAN) data. You must agree to handle the PAN data in compliance with the Payment Card Industry Data Security Standard (PCI-DSS).

During Visa Checkout enrollment, Visa Checkout issues a Visa Checkout production API key to you that you will use to communicate with Visa Checkout. CyberSource stores a copy of this key in the Business Center.



You must keep your own copy of the Visa Checkout production API key in a safe place. You are responsible for maintaining adequate security and control of your Visa Checkout production API key.

Creating and Updating Visa Checkout Profiles

Visa Checkout profiles enable you to control the card types and shipping options in the Visa Checkout light box that your customers use during checkout. Visa Checkout profiles are supported when you use the Simple Order API, SCMP API, or Secure Acceptance Hosted Checkout to implement the Visa Checkout button and connect to Visa Checkout.

Creating and using Visa Checkout profiles is optional. You can create up to 100 Visa Checkout profiles for one web site URL associated with a Visa Checkout account. You can specify any Visa Checkout profile as the default profile, but you can have only one default profile at a time. You can create, update, and delete Visa Checkout profiles in real time.

When you create or edit a Visa Checkout profile, the available card types depend on the country in which you are located. You can associate the following shipping options with a profile:

- Shipping is not required
- Products can be shipped to specific regions

For additional information about working with Visa Checkout profiles, see *Getting Started with Visa Checkout* (version published by Visa) and the *Visa Checkout JavaScript Integration Guide*.



You must enroll in Visa Checkout before you can create and update Visa Checkout profiles.

To create a Visa Checkout profile:

- Step 1** Log in to the Business Center.
- Step 2** On the left navigation pane, click the **Payment Configuration** icon.
- Step 3** Click **Digital Payment Solutions**. The Digital Payments page appears.
- Step 4** Click **Manage Profiles**. The Manage Profiles panel opens.
- Step 5** Click **New Profile**. The New Profile Configuration panel opens.
- Step 6** Enter the profile name and select billing countries. Enter other details as necessary.

Table 1 Visa Checkout Profile Details

Profile Detail	Description
Profile Name	The Visa Checkout profile name is required, must be unique for each profile, and cannot exceed 50 alphanumeric characters.
Logo URL	The logo URL for the profile should be a valid URL and cannot exceed 100 characters.
Referring URL	The referring URL for the profile should be a valid URL and cannot exceed 100 characters.
Customer Support URL	The customer support URL for the profile should be a valid URL and cannot exceed 100 characters.
Logo Display Name	The logo display name cannot exceed 100 alphanumeric characters.
Default Profile	Check Make this the Default Profile for a profile to make it the default profile. Only one profile can be chosen as the default profile.
Accepted Cards	Select the accepted card types (Visa, Mastercard, American Express, Discover) for the profile. Note A selection for the Visa Debit card type displays as an accepted card type after you select the Visa card type and only when your business is located in Canada. If you want to select only the Visa card type, deselect the Visa Debit card type. The Visa card type remains selected.
Billing Countries	Click the pencil icon to specify the countries from which you accept payments. At least one billing country must be specified.
Shipping Countries	Click the pencil icon to specify the countries to which merchandise can be shipped. Note If you do not specify a shipping country, the shipping address is not required by Visa Checkout.

- Step 7** Click **Save Profile**.
-

To edit or delete a Visa Checkout profile:

- Step 1** Log in to the Business Center.
 - Step 2** On the left navigation pane, click the **Payment Configuration** icon.
 - Step 3** Click **Digital Payment Solutions**. The Digital Payments page appears.
 - Step 4** On the Digital Payments page, click **Manage Profiles**. The Manage Profiles panel opens.
 - To edit a profile, click the **Edit** icon, edit the profile, and click **Save Profile**.
 - To delete a profile, click the **Delete** icon next to the profile you want to delete.
-

Using 3D Secure with Visa Checkout

Payer authentication is the CyberSource implementation of 3D Secure.

Adding CyberSource Payer Authentication to Visa Checkout Using the Simple Order API or SCMP API

For Visa Checkout, CyberSource supports the following kinds of payer authentication:

- American Express SafeKey
- Mastercard Identity Check
- Visa Secure

To integrate payer authentication using the Simple Order API or SCMP API, see:

- [Credit Card Services Using the Simple Order API](#) or [Credit Card Services Using the SCMP API](#)
- [Payer Authentication Using the Simple Order API](#) or [Payer Authentication Using the SCMP API](#)



Important

With Visa Checkout, you must include the payer authentication enrollment service and the credit card authorization service in the same request message in order to decrypt the primary account number (PAN) and complete the rest of the payer authentication flow. When you submit a separate request message for each service, the payer authentication enrollment service request fails.

Adding CyberSource Payer Authentication to Visa Checkout Using Secure Acceptance

For Visa Checkout, CyberSource supports the following kinds of payer authentication:

- American Express SafeKey
- Mastercard Identity Check
- Visa Secure

To integrate payer authentication using Secure Acceptance Hosted Checkout, see the [Secure Acceptance Hosted Checkout Integration Guide](#).

Working with Visa Secure

Visa Checkout provides Visa Secure, and CyberSource supports it with the Simple Order API, SCMP API, and Secure Acceptance.

Contact your CyberSource account manager or sales representative to have Visa Secure added to your Visa Checkout account.



Note

Visa Checkout pays the fees for Visa Secure.

Using Decision Manager with Visa Checkout

While the Visa Checkout response contains many of the fields necessary to run Decision Manager, it does not include these essential Decision Manager fields:

- Device fingerprint
- True IP address

You must capture these fields independently.

Updating Your Software

To update your software:

- Step 1** Display the Visa Checkout button on your web site. Implement JavaScript for handling the actions associated with the button. You can choose to create Visa Checkout profiles as described in "[Creating and Updating Visa Checkout Profiles](#)," page 11. For more information about this step, see *Getting Started with Visa Checkout* (version published by Visa) and the *Visa Checkout JavaScript Integration Guide*.
- Step 2** Obtain the encrypted Visa Checkout payment data.
- Step 3** Request the CyberSource get Visa Checkout data service. You can use the decrypted data to help the customer confirm the purchase. However, you cannot use the PAN unless your account is configured to receive it. See [Visa Checkout Using the Simple Order API](#) or [Visa Checkout Using the SCMP API](#).
- Step 4** Request the CyberSource authorization service. See [Credit Card Services Using the Simple Order API](#) or [Credit Card Services Using the SCMP API](#).
- Step 5** After payment is complete, notify the customer of the updated transaction status.
-

Testing Your Implementation

To test your implementation:

- Step 1** Test your implementation of the CyberSource services.
- Use the CyberSource test environment to test the get Visa Checkout data service and authorization service. If you do not already have access to the CyberSource test environment, contact your CyberSource sales representative.
- When you have access to the CyberSource test environment, go to the Business Center to enroll in Visa Checkout again as described in "[Enabling Visa Checkout](#)," page 10, but make sure that you enroll in the test environment and not the production environment. The CyberSource test environment approves your merchant account and provides you with a Visa Checkout testing API key for the CyberSource test environment and the Visa Checkout merchant sandbox environment.

Step 2 Test your implementation of Visa Checkout.

Use the Visa Checkout merchant sandbox to test your direct integration to Visa Checkout. To connect to the sandbox, use the Visa Checkout testing API key that you received when you enrolled in Visa Checkout through the CyberSource test environment. See the following documents for information about connecting to the Visa Checkout sandbox:

- *Getting Started with Visa Checkout* (version published by Visa)
- *Visa Checkout JavaScript Integration Guide*

To obtain these documents, see "[Visa Checkout Documents](#)," page 6.

Obtaining Information About Your Transactions

The following CyberSource reports include information about Visa Checkout transactions:

- Payment Batch Detail
- Transaction Exception Detail
- Purchase and Refund Details

For information about these reports, see the [Business Center Reporting User Guide](#).

Supported Countries, Regions, and Payment Currencies

The following table identifies the countries, regions, and associated currencies from which payments are accepted:

Country or Region	Currency	Code
Argentina	Argentine peso	ARS
Australia	Australian dollar	AUD
Brazil	Brazilian real	BRL
Canada	Canadian dollar	CAD
Chile	Chilean peso	CLP
China Mainland	Chinese yuan renminbi	CNY
Colombia	Columbian peso	COP
France	Euro	EUR
Hong Kong	Hong Kong dollar	HKD
India	Indian rupee	INR
Ireland	Euro	EUR
Kuwait	Kuwaiti dinar	KWD
Malaysia	Malaysian ringgit	MYR
Mexico	Mexican peso	MXN
New Zealand	New Zealand dollar	NZD
Peru	Peruvian nuevo sol	PEN
Poland	Euro	EUR
Qatar	Qatari rial	QAR
Saudi Arabia	Saudi Arabian riyal	SAR
Singapore	Singapore dollar	SGD
South Africa	South African rand	ZAR
Spain	Euro	EUR
Ukraine	Ukrainian hryvnia	UAH
United Arab Emirates	United Arab Emirates dirham	AED
United Kingdom	British pound sterling	GBP
United States of America	United States dollar	USD