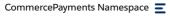


Developers







Apex Reference Guide / CommercePayments Namespace

CommercePayments Namespace

Use the CommercePayments namespace to provide a safe and customizable platform for managing customer payments and refunds.

To review CommercePayments use cases and walkthroughs, go to <u>Use Cases for the CommercePayments Namespace</u>.

The following are the classes in the CommercePayments namespace.

AbstractResponse Class

Contains the normalized response fields from payment gateways that are common to all the other gateway responses.

AbstractTransactionResponse Class

Abstract class for storing normalized information sent from payment gateways about a payment transaction. Holds the common response fields sent from payment gateways for authorization, sale, capture, and refund transactions.

• AddressRequest Class

Contains address request data that is sent to a gateway adapter during a service call.

• AlternativePaymentMethodRequest Class

The class contains information about the alternative payment method that are required for a gateway to process the request.

• AlternativePaymentMethodResponse Class

The class contains the response details of the alternative payment method.

AuditParamsRequest

AuditParamsRequest is used for audit parameters in a transaction request. This is an abstract request class that is extended by the BaseRequest class.

AuthApiPaymentMethodRequest Class

Sends information about a payment method to a gateway adapter during an authorization service call

• AuthorizationRequest Class

Sends information about an authorization request to a gateway adapter during a service call. This class extends the BaseRequest class and inherits all its methods.

• AuthorizationResponse Class

Response sent by the payment gateway adapter for an authorization service.

• AuthorizationReversalRequest Class

Sends information about an authorization reversal request to a gateway adapter during a service call.

• AuthorizationReversalResponse Class

Response sent by the payment gateway following a payment authorization reversal service.

• BaseApiPaymentMethodRequest Class

Abstract class used to send information about a payment method to a gateway adapter during a service call.

• BaseNotification Class

Abstract class for storing notification information sent from payment gateways.

• BasePaymentMethodRequest Class

Abstract class for storing information about payment methods.

• BaseRequest Class

 ${\tt BaseRequest}$ is extended by all the request classes.





Capturekequest Class

Represents a capture request. This class extends the BaseRequest class and inherits all its methods.

• CaptureResponse Class

The payment gateway adapter sends this response for the capture request type. This class extends AbstractResponse and inherits its methods.

• CardCategory Enum

Defines whether the payment method represents a credit card or a debit card.

• CardPaymentMethodRequest Class

Sends data related to a card payment method to a gateway adapter during a service call.

• CardPaymentMethodResponse Class

This class contains details about the card payment method.

CardType Enum

Specifies the credit card issuer.

CustomMetadataTypeInfo Class

Access information about custom metadata. The PaymentGatewayAdapter can send CustomMetadataTypeInfo to transaction requests through the response object's SalesforceResultCodeInfo.

• GatewayErrorResponse Class

Use to respond with an error indication following errors from the PaymentGateway adapter, such as request-forbidden responses, custom validation errors, or expired API tokens.

• GatewayNotificationResponse Class

When the payment gateway sends a notification to the payments platform, the platform responds with a GatewayNotificationResponse indicating whether the platform succeeded or failed at receiving the notification.

• GatewayResponse Interface

Generic payment gateway response interface. This class extends the CaptureResponse, AbstractTransactionResponse, and AbstractResponse classes and inherits all their properties. It has no unique methods or parameters.

• NotificationClient Class

Communicates with the payment platform regarding the gateway's notification.

• NotificationSaveResult Class

Contains the result of the payment platform's attempt to record data from the gateway's notification.

• NotificationStatus Enum

Shows whether the payments platform successfully received the notification from the gateway.

• PaymentGatewayAdapter Interface

 ${\tt PaymentGatewayAdapters}\ \ can\ implement\ this\ interface\ in\ order\ to\ process\ requests.$

• PaymentGatewayAsyncAdapter Interface

Implement the interface to allow customers to process payments asynchronously.

• PaymentGatewayContext Class

Wraps the information related to a payment request.

• PaymentGatewayNotificationContext Class

Wraps the information related to a gateway notification.

• PaymentGatewayNotificationRequest Class

Contains the notification request data from the gateway.

• PaymentMethodDetailsResponse Class

This class contains the details about the payment method.

• PaymentMethodTokenizationRequest Class

Stores data about a request to tokenize a card payment method. The tokenization process occurs in the payment gateway. This process replaces sensitive customer data, such as a card number or CVV, with unique identification symbols. The symbols are used



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tokenization request. The response includes the payment method's token 1D value.

• PaymentsHttp Class

Makes an HTTP request to start the interaction with the payment gateway.

• PostAuthApiPaymentMethodRequest Class

Sends information about a payment method to a gateway adapter during a postauthorization service call.

• PostAuthorizationRequest Class

Sends information about a postauthorization request to a gateway adapter during a service call.

• PostAuthorizationResponse Class

Response sent by the payment gateway adapter for a postauthorization service.

• ReferencedRefundNotification Class

When a payment gateway sends a notification for a refund transaction, the payment gateway adapter creates the ReferencedRefundNotification object to store information about notification.

· ReferencedRefundRequest

Access information about the referenced refund requests. Extends the RefundRequest class.

• ReferencedRefundResponse Class

The payment gateway adapter sends this response for the ReferencedRefund request type.

• RefundRequest Class

Sends data related to a refund to the payment gateway adapter.

• RequestType Enum

Defines the type of payment transaction request made to the payment gateway.

• SaleApiPaymentMethodRequest Class

Sends data related to a card payment method to a gateway adapter during a sale service

SaleRequest Class

Stores information about a sales request.

• SaleResponse Class

Response sent by payment gateway adapters for a sales service.

• SalesforceResultCode Enum

Defines the gateway call status values in Salesforce based on the call status values that the payment gateway returned.

• SalesforceResultCodeInfo

Stores Salesforce result code information from payment gateway adapters.

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