

Developers







Apex Reference Guide / CommercePayments Namespace / PaymentGatewayAsyncAdapter Interface

PaymentGatewayAsyncAdapter Interface

Implement the interface to allow customers to process payments asynchronously.

Namespace

CommercePayments

Usage

Implementing an asynchronous adapter also requires the processNotification method fror GatewayNotificationResponse class.

Example

```
global with sharing class SampleAsyncAdapter
   implements commercepayments.PaymentGatewayAsyncAdapter,
   commercepayments.PaymentGatewayAdapter {
     global SampleAsyncAdapter() {
        }
        global commercepayments.GatewayResponse processRequest(
        commercepayments.paymentGatewayContext gatewayContext) {
     }
        global commercepayments.GatewayNotificationResponse processNotification(
        commercepayments.PaymentGatewayNotificationContext gatewayNotificationCont
     }
}
```

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PaymentGatewayAsyncAdapter Methods

The following are methods for PaymentGatewayAsyncAdapter.

• processNotification(paymentGatewayNotificationContext)
Entry point for processing notifications from payment gateways.

processNotification(paymentGatewayNotificationContext)

Entry point for processing notifications from payment gateways.

Signature

global commercepayments.GatewayNotificationResponse
processNotification(commercepayments.PaymentGatewayNotificationContext var1)



The PaymentGatewayNotificationContext object wraps all the information related to a gatev notification.

Return Value

Type: GatewayNotificationResponse

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

PaymentGatewayAsyncAdapter Example Implementation

This is a sample implementation of the commercepayments.PaymentGatewayAsyncAdapter interference interference and a sample implementation of the commercepayments.PaymentGatewayAsyncAdapter interference and a sample implementation of the commerce and a

```
global with sharing class AdyenAdapter implements commercepayments.PaymentGateway
   global AdyenAdapter() {}
    global commercepayments.GatewayResponse processRequest(commercepayments.paymen
    global commercepayments. GatewayNotificationResponse processNotification(commercepayments)
commercepayments.RequestType requestType = gatewayContext.getPaymentRequestType()
if (requestType == commercepayments.RequestType.Capture) {
    req.setEndpoint('/pal/servlet/Payment/v52/capture');
   body = buildCaptureRequest((commercepayments.CaptureRequest)gatewayContext.get
} else if (requestType == commercepayments.RequestType.ReferencedRefund) {
   req.setEndpoint('/pal/servlet/Payment/v52/refund');
   body = buildRefundRequest((commercepayments.ReferencedRefundRequest)gatewayCom
req.setBody(body);
req.setMethod('POST'):
commercepayments.PaymentsHttp http = new commercepayments.PaymentsHttp();
HttpResponse res = null;
try {
   res = http.send(req);
} catch(CalloutException ce) {
   commercepayments.GatewayErrorResponse error = new commercepayments.GatewayError
   return error:
if ( requestType == commercepayments.RequestType.Capture) {
    response = createCaptureResponse(res);
} else if ( requestType == commercepayments.RequestType.ReferencedRefund) {
   response = createRefundResponse(res);
return response;
commercepayments.PaymentGatewayNotificationRequest notificationRequest = gatewayNot
Blob request = notificationRequest.getRequestBody();
Map<String, Object> jsonReq = (Map<String, Object>)JSON.deserializeUntyped(request
List<Object> notificationItems = (List<Object>)jsonReq.get('notificationItems');
Map<String, Object> notificationRequestItem =
    (Map<String, Object>)((Map<String, Object>)notificationItems[0]).get('NotificationItems')
Boolean success = Boolean.valueOf(notificationRequestItem.get('success'));
String pspReference = (String)notificationRequestItem.get('pspReference');
String eventCode = (String)notificationRequestItem.get('eventCode');
Double amount = (Double)((Map<String, Object>)notificationRequestItem.get('amount
commercepayments.NotificationStatus notificationStatus = null;
```





```
notification = new commercepayments.CaptureNotification();
} else if ('REFUND'.equals(eventCode)) {
              notification = new commercepayments.ReferencedRefundNotification();
{\tt notification.setStatus} ({\tt notificationStatus});\\
notification.setGatewayReferenceNumber(pspReference);
notification.setAmount(amount);
{\tt commercepayments.NotificationSaveResult = commercepayments.Notifica
commercepayments.GatewayNotificationResponse gnr = new commercepayments.GatewayNot
if (saveResult.isSuccess()) {
              system.debug('Notification accepted by platform');
} else {
              system.debug('Errors in the result '+ Blob.valueOf(saveResult.getErrorMessage)
gnr.setStatusCode(200);
gnr.setResponseBody(Blob.valueOf('[accepted]'));
return gnr;
```

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