



# 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.

## Namespace

[CommercePayments](#)

- [GatewayResponse Example Implementation](#)

## GatewayResponse Example Implementation

This is an example implementation of the `commercepayments.GatewayResponse` interface.

```
/**
 * Abstract function to build gateway response for a Transaction
 * The input is the response from gateway
 * It creates and returns GatewayResponse from the HttpResponse
 */
public abstract commercepayments.GatewayResponse buildResponse(HttpResponse response);

/**
 * Function to process transaction requests
 * Steps involved are:
 * 1. Build HttpRequest with the input Request from gateway context
 * 2. Send request and get the response from gateway
 * 3. Parse the response from gateway and return GatewayResponse
 */
public commercepayments.GatewayResponse execute(){
    HttpRequest req;

    try{
        //Building a new request
        req = buildRequest();
    } catch(PayeezeValidationException e) {
        return getValidationExceptionError(e);
    }
    commercepayments.PaymentsHttp http = new commercepayments.PaymentsHttp();
    HttpResponse res = null;
    try{
        //Sending the request
        res = http.send(req);
    } catch(CalloutException ce) {
        return getCalloutExceptionError(ce);
    }
    try{
        //Parsing the response from gateway
        return buildResponse(res);
    } catch(Exception e) {
        return getParseExceptionError(e);
    }
}
```

For additional context, review the complete [Sample Gateway Adapter](#) in the [CommercePayments Gateway Reference Implementation](#).



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