Developers

AuthorizationResponse Class

AuthorizationResponse Class

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

Namespace

CommercePayments

Usage

The constructor of this class takes no arguments. For example:

```
CommercePayments.AuthorizationResponse authr = new CommercePayments.AuthorizationResponse();
```

Contains information about the payment gateway's response following an authorization transaction. The gateway adapter uses the payment gateway's response to populate the `AuthorizationResponse` fields. The payments platform uses the information from this class to construct the authorization gateway response shown to the user.

Example

```
private commercepayments.GatewayResponse createAuthResponse(HttpResponse response, Double
        Map<String, Object> mapOfResponseValues = (Map
                        <String, Object>) JSON.deserializeUntyped(response.getBody());

        commercepayments.AuthorizationResponse authResponse = new commercepayments.Authori

        String resultCode = (String)mapOfResponseValues.get('resultCode');

        if(resultCode != null){
            system.debug('Response - success');
            if(resultCode.equals('Authorised')){
                system.debug('status - authorised');
                authResponse.setGatewayAuthCode((String)mapOfResponseValues.get('authCode
                authResponse.setSalesforceResultCodeInfo(new commercepayments.SalesforceR
            } else {
                //Sample returns 200 with refused status in some cases
                system.debug('status - refused');
                authResponse.setGatewayResultCodeDescription((String)mapOfResponseValues.g
                authResponse.setSalesforceResultCodeInfo(new commercepayments.SalesforceR
            }
            authResponse.setGatewayReferenceNumber((String)mapOfResponseValues.get('pspRef
            authResponse.setAmount(amount);
            authResponse.setGatewayDate(system.now());
            return authResponse;
        } else {
            system.debug('Response - failed');
            system.debug('Validation error');
            String statusCode = (String)mapOfResponseValues.get('errorType');
            String message = (String)mapOfResponseValues.get('message');
            commercepayments.GatewayErrorResponse error = new commercepayments.GatewayErro
            return error;
        }
    }
```

The following are methods for `AuthorizationResponse`.

- **setAmount(amount)**
  Sets the amount of the authorization. Must be a non-zero value.

- **setAuthorizationExpirationDate(authExpDate)**
  Sets the expiration date of the authorization request.

- **setGatewayAuthCode(gatewayAuthCode)**
  Sets the authorization code that the gateway returned. Maximum length of 64 characters.

- **setGatewayAvsCode(gatewayAvsCode)**
  Sets the AVS (address verification system) result code information that the gateway returned. Maximum length of 64 characters.

- **setGatewayDate(gatewayDate)**
  Sets the date that the authorization occurred. Some gateways don't send this value.

- **setGatewayMessage(gatewayMessage)**
  Sets error messages that the gateway returned for the authorization request. Maximum length of 255 characters.

- **setGatewayReferenceDetails(gatewayReferenceDetails)**
  Stores data that you can use for subsequent authorizations. You can use any data that isn't normalized in financial entities. This field has a maximum length of 1000 characters and can store data as JSON or XML.

- **setGatewayReferenceNumber(gatewayReferenceNumber)**
  Sets the unique gateway reference number for the transaction that the gateway returned. Maximum length of 255 characters.

- **setGatewayResultCode(gatewayResultCode)**
  Sets a gateway-specific result code. The code can be mapped to a Salesforce-specific result code. Maximum length of 64 characters.

- **setGatewayResultCodeDescription(gatewayResultCodeDescription)**
  Sets a description of the gateway-specific result code that a payment gateway returned. Maximum length of 1000 characters.

- **setPaymentMethodTokenizationResponse(paymentMethodTokenizationResponse)**
  Sets information from the gateway about the tokenized payment method.

- **setSalesforceResultCodeInfo(salesforceResultCodeInfo)**
  Sets the Salesforce-specific result code information. Payment gateways have many response codes for payment calls. Salesforce uses the result code information to map payment gateway codes to a predefined set of standard Salesforce result codes.

setAmount(amount)

Sets the amount of the authorization. Must be a non-zero value.

Signature

```
global void setAmount(Double amount)
```

Parameters

amount
Type: Double

Return Value

Type: void

setAuthorizationExpirationDate(authExpDate)

Sets the expiration date of the authorization request.

authExpDate

    Type: Datetime

Return Value

Type: void

setGatewayAuthCode(gatewayAuthCode)

Sets the authorization code that the gateway returned. Maximum length of 64 characters.

Signature

```
global void setGatewayAuthCode(String gatewayAuthCode)
```

Parameters

gatewayAuthCode

    Type: String

    The authorization code returned by the gateway.

Return Value

Type: void

setGatewayAvsCode(gatewayAvsCode)

Sets the AVS (address verification system) result code information that the gateway returned. Maximum length of 64 characters.

Signature

```
global void setGatewayAvsCode(String gatewayAvsCode)
```

Parameters

gatewayAvsCode

    Type: String

    Used to verify the address mapped to a payment method when the payments platform requests tokenization from the payment gateway.

Return Value

Type: void

setGatewayDate(gatewayDate)

Sets the date that the authorization occurred. Some gateways don't send this value.

Signature

```
global void setGatewayDate(Datetime gatewayDate)
```

Parameters

gatewayDate

    Type: Datetime

Return Value

Sets error messages that the gateway returned for the authorization request. Maximum length of 255 characters.

Signature

```
global void setGatewayMessage(String gatewayMessage)
```

Parameters

gatewayMessage

Type: String

Return Value

Type: void

setGatewayReferenceDetails(gatewayReferenceDetails)

Stores data that you can use for subsequent authorizations. You can use any data that isn't normalized in financial entities. This field has a maximum length of 1000 characters and can store data as JSON or XML.

Signature

```
global void setGatewayReferenceDetails(String gatewayReferenceDetails)
```

Parameters

gatewayReferenceDetails

Type: String

Return Value

Type: void

setGatewayReferenceNumber(gatewayReferenceNumber)

Sets the unique gateway reference number for the transaction that the gateway returned. Maximum length of 255 characters.

Signature

```
global void setGatewayReferenceNumber(String gatewayReferenceNumber)
```

Parameters

gatewayReferenceNumber

Type: String

Unique authorization ID created by the payment gateway.

Return Value

Type: void

setGatewayResultCode(gatewayResultCode)

Sets a gateway-specific result code. The code can be mapped to a Salesforce-specific result code. Maximum length of 64 characters.

Signature

```
global void setGatewayResultCode(String gatewayResultCode)
```

Gateway-specific result code. Must be used to map a Salesforce-specific result code.

Return Value

Type: void

setGatewayResultCodeDescription(gatewayResultCodeDescription

Sets a description of the gateway-specific result code that a payment gateway returned. Maximum length of 1000 characters.

Signature

```
global void setGatewayResultCodeDescription(String gatewayResultCodeDescription)
```

Parameters

gatewayResultCodeDescription

Type: String

Description of the gateway's result code. Use this field to learn more about why the gateway returned a certain result code.

Return Value

Type: void

setPaymentMethodTokenizationResponse(paymentMethodTokeniz

Sets information from the gateway about the tokenized payment method.

Signature

```
global void
setPaymentMethodTokenizationResponse(commercepayments.PaymentMethodTokenizationResponse
paymentMethodTokenizationResponse)
```

Parameters

paymentMethodTokenizationResponse

PaymentMethodTokenizationResponse

Gateway response sent by payment gateway adapters for the payment method tokenization request.

Return Value

Type: void

setSalesforceResultCodeInfo(salesforceResultCodeInfo)

Sets the Salesforce-specific result code information. Payment gateways have many response codes for payment calls. Salesforce uses the result code information to map payment gateway codes to a predefined set of standard Salesforce result codes.

Signature

```
global void setSalesforceResultCodeInfo(commercepayments.SalesforceResultCodeInfo
salesforceResultCodeInfo)
```

Parameters

salesforceResultCodeInfo

Type: void

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