



# AuthorizationReversalResponse Class

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

## Namespace

[CommercePayments](#)

## Usage

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

```
CommercePayments.AuthorizationReversalResponse authRevRes = new  
CommercePayments.AuthorizationResponse();
```

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

## Example

This class builds an authorization reversal response that contains the amount of the original reversal request, gateway information, and the Salesforce result code.

```
global CommercePayments.GatewayResponse createAuthReversalResponse(CommercePayments.  
CommercePayments.AuthorizationReversalResponse authReversalResponse = new CommercePayments.  
if(authReversalRequest.amount!=null )  
{  
    authReversalResponse.setAmount(authReversalRequest.amount);  
}  
else  
{  
    throw new SalesforceValidationException('Required Field Missing : Amount');  
}  
  
system.debug('Response - success');  
authReversalResponse.setGatewayDate(System.now());  
authReversalResponse.setGatewayResultCode('00');  
authReversalResponse.setGatewayResultCodeDescription('Transaction Normal');  
authReversalResponse.setGatewayReferenceNumber('SF'+getRandomNumber(6));  
authReversalResponse.setSalesforceResultCodeInfo(SUCCESS_SALESFORCE_RESULT_CODE);  
return authReversalResponse;  
}
```

- [AuthorizationReversalResponse Methods](#)

## AuthorizationReversalResponse Methods

The following are methods for `AuthorizationReversalResponse`.

- [setAmount\(amount\)](#)

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



Sets the date that the authorization reversal request occurred in the payment gateway. Some gateways don't send this value.

- **[setGatewayMessage\(gatewayMessage\)](#)**  
Sets error messages that the gateway returned for the authorization reversal 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 character and can store data as JSON or XML.
- **[setGatewayReferenceNumber\(gatewayReferenceNumber\)](#)**  
Sets a 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.
- **[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)

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

### Signature

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

### Parameters

#### *amount*

Type: [Double](#)

### Return Value

Type: void

## setGatewayAvsCode(gatewayAvsCode)

Sets the AVS (Address Verification System) result code 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 requires tokenization from the payment gateway.

### Return Value

Type: void



#### Signature

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

#### Parameters

##### *gatewayDate*

Type: [Datetime](#)

#### Return Value

Type: void

### setGatewayMessage(gatewayMessage)

Sets error messages that the gateway returned for the authorization reversal 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 a 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: 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)
```

### Parameters

#### *gatewayResultCode*

Type: [String](#)

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

## 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: [SalesforceResultCodeInfo](#)

Description of the Salesforce result code value.

### Return Value



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