



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.

Namespace

[CommercePayments](#)

Usage

Specify the `CommercePayments` namespace when creating an instance of this class. The constructor of this class takes no arguments. For example:

```
CommercePayments.AbstractTransactionResponse atr = new
CommercePayments.AbstractTransactionResponse();
```

- [AbstractTransactionResponse Methods](#)

AbstractTransactionResponse Methods

The following are methods for `AbstractTransactionResponse`.

- [setAmount\(amount\)](#)
Sets the transaction amount. Must be a non-negative value.
- [setGatewayAvsCode\(gatewayAvsCode\)](#)
Sets the AVS (address verification system) result code that the gateway returned. Maximum length of 64 characters.
- [setGatewayDate\(gatewayDate\)](#)
Sets the date that the notification occurred. Some gateways don't send this value.
- [setGatewayMessage\(gatewayMessage\)](#)
Sets error messages that the gateway returned for the notification request. Maximum length of 255 characters.
- [setGatewayReferenceDetails\(gatewayReferenceDetails\)](#)
Sets the payment gateway's reference details.
- [setGatewayReferenceNumber\(gatewayReferenceNumber\)](#)
Sets the payment gateway's reference number.
- [setGatewayResultCode\(gatewayResultCode\)](#)
Sets a gateway-specific result code. You can map the result code 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.

setAmount(amount)

Sets the transaction amount. Must be a non-negative value.

***amount***Type: [Double](#)

The amount of the transaction.

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 requests tokenization from the payment gateway.

Return Value

Type: void

setGatewayDate(gatewayDate)

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

Signature

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

Parameters***gatewayDate***Type: [Datetime](#)

The date that the transaction occurred.

Return Value

Type: void

setGatewayMessage(gatewayMessage)

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

Signature

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

Parameters***gatewayMessage***Type: [String](#)



Type: void

setGatewayReferenceDetails(gatewayReferenceDetails)

Sets the payment gateway's reference details.

Signature

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

Parameters

gatewayReferenceDetails

Type: [String](#)

Provides information about the gateway communication.

Return Value

Type: void

setGatewayReferenceNumber(gatewayReferenceNumber)

Sets the payment gateway's reference number.

Signature

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

Parameters

gatewayReferenceNumber

Type: [String](#)

Unique transaction ID created by the payment gateway.

Return Value

Type: void

setGatewayResultCode(gatewayResultCode)

Sets a gateway-specific result code. You can map the result code 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 mapped to a Salesforce-specific result code.

Return Value

Type: void

setGatewayResultCodeDescription(gatewayResultCodeDescription)



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

Parameters

gatewayResultCodeDescription

Type: [String](#)

Provides additional information about the result code and why the gateway returned the specific code. Descriptions vary between different gateways.

Return Value

Type: void

setSalesforceResultCodeInfo(salesforceResultCodeInfo)

Sets the Salesforce-specific result code information.

Signature

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

Parameters

salesforceResultCodeInfo

Type: [commercepayments.SalesforceResultCodeInfo](#)

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.

Return Value

Type: void

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