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Developers   ⌄

BaseNotification Class ☰

BaseNotification Class

Abstract class for storing notification information sent from payment gateways.

Namespace

CommercePayments

Usage

An abstract class that contains the common fields from payment gateways. `BaseNotification` can't be instantiated on its own.

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

```
CommercePayments.BaseNotification bnt = new CommercePayments.BaseNotification();
```

Example

```
commercepayments.BaseNotification notification = null;
        if ('CAPTURE'.equals(eventCode)) {
            notification = new commercepayments.CaptureNotification();
        } else if ('REFUND'.equals(eventCode)) {
            notification = new commercepayments.ReferencedRefundNotification();
        }
```

- **BaseNotification Methods**

BaseNotification Methods

The following are methods for `BaseNotification`.

- **setAmount(amount)**
  Sets the transaction amount. Must be a non-negative value.

- **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. 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.

from a payment gateway.

- **setStatus(status)**
  Sets the status of the notification sent by the gateway.

setAmount(amount)

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

Signature

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

Parameters

amount
  Type: Double

  The amount of the transaction.

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 notification 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

  The message that the gateway returned with the notification request. Contains additional information about the notification.

Return Value

Type: void

```
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. 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

Descriptions vary between different gateways.

Return Value

Type: void

setId(id)

Sets the ID of the notification sent by the gateway.

Signature

```
global void setId(String id)
```

Parameters

id
Type: String

Return Value

Type: void

setSalesforceResultCodeInfo(salesforceResultCodeInfo)

Sets the information about the Salesforce-specific result code used to match a result code from a payment gateway.

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

setStatus(status)

Sets the status of the notification sent by the gateway.

Signature

```
global void setStatus(commercepayments.NotificationStatus status)
```

Parameters

status
Type: commercepayments.NotificationStatus

Shows whether the payments platform successfully received the notification from the gateway.

Return Value

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