



PaymentMethodTokenizationRequest Class

Stores data about a request to tokenize a card payment method. The tokenization process replaces the payment gateway. This process replaces sensitive customer data, such as a card number with unique identification symbols. The symbols are used while the data is handled by the payment gateway, and the customer bank, allowing Salesforce to store the token without storing sensitive customer data.

Namespace

[CommercePayments](#)

Usage

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

```
CommercePayments.PaymentMethodTokenizationRequest pmtr = new
CommercePayments.PaymentMethodTokenizationRequest();
```

This class holds all the required details about the tokenize request. Gateway adapters read information in this class while constructing a tokenization JSON request, which is sent to the payment gateway.

Example

The following code is used within your payment gateway adapter Apex class.

Use the `GatewayResponse` class's `processRequest` method to build responses based on the request type that it receives from an instance of [PaymentGatewayContext](#). If the request type is `TokenType.Tokenize`, `GatewayResponse` calls the `createTokenizeResponse` method and passes an instance of the `PaymentMethodTokenizationRequest` class. The passed `PaymentMethodTokenizationRequest` object contains the address and card payment method information that the payment gateway needs to manage the tokenization process. For example:

```
global CommercePayments.GatewayResponse processRequest(CommercePayments.PaymentMethodTokenizationRequest request,
CommercePayments.RequestType requestType = gatewayContext.getPaymentRequestType(),
CommercePayments.GatewayResponse response) {
    try {
        if (requestType == CommercePayments.RequestType.Tokenize) {
            response = createTokenizeResponse((CommercePayments.PaymentMethodTokenizationRequest) request);
        }
        //Add other else if statements for different request types as needed
        return response;
    } catch (SalesforceValidationException e) {
        CommercePayments.GatewayErrorResponse error = new CommercePayments.GatewayErrorResponse(e.getMessage());
        return error;
    }
}
```



```

public commercepayments.GatewayResponse createTokenizeResponse(commercepayments
commercepayments.PaymentMethodTokenizationResponse tokenizeResponse = new
tokenizeResponse.setGatewayTokenEncrypted(encryptedValue);
tokenizeResponse.setGatewayTokenDetails(tokenDetails);
tokenizeResponse.setGatewayAvsCode(avsCode);
tokenizeResponse.setGatewayMessage(gatewayMessage);
tokenizeResponse.setGatewayResultCode(resultCode);
tokenizeResponse.setGatewayResultCodeDescription(resultCodeDescription);
tokenizeResponse.setSalesforceResultCodeInfo(resultCodeInfo);
tokenizeResponse.setGatewayDate(system.now());
return tokenizeResponse;
}

```

The `tokenizeResponse` contains the results of the gateway's tokenization process, and if successful, it contains the tokenized value.

- [PaymentMethodTokenizationRequest Constructors](#)
- [PaymentMethodTokenizationRequest Properties](#)
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PaymentMethodTokenizationRequest Constructors

The following are constructors for `PaymentMethodTokenizationRequest`.

- [PaymentMethodTokenizationRequest\(paymentGatewayId\)](#)
Payment gateway ID constructor used with `paymentMethodTokenizationRequest`. This constructor is intended for test usage and throws an exception if used outside of the Apex test context.
- [PaymentMethodTokenizationRequest\(\)](#)
The following are constructors for `PaymentMethodTokenizationRequest`.

PaymentMethodTokenizationRequest(paymentGatewayId)

Payment gateway ID constructor used with `paymentMethodTokenizationRequest`. This constructor is intended for test usage and throws an exception if used outside of the Apex test context.

Signature

```
global PaymentMethodTokenizationRequest(String paymentGatewayId)
```

Parameters

paymentGatewayId

Type: [String](#)

The payment method's payment gateway ID that will be tokenized.

PaymentMethodTokenizationRequest()

The following are constructors for `PaymentMethodTokenizationRequest`.

Signature

```
global PaymentMethodTokenizationRequest()
```

PaymentMethodTokenizationRequest Properties



The card payment method containing data to be tokenized.

address

The card payment method address to be tokenized.

Signature

```
global commercepayments.AddressRequest address {get; set;}
```

Property Value

Type: [AddressRequest](#)

cardPaymentMethod

The card payment method containing data to be tokenized.

Signature

```
global commercepayments.CardPaymentMethodRequest cardPaymentMethod {get; set;}
```

Property Value

Type: [CardPaymentMethodRequest](#)

PaymentMethodTokenizationRequest Methods

The following are methods for `PaymentMethodTokenizationRequest`.

- [equals\(obj\)](#)
Maintains the integrity of lists of type `PaymentMethodTokenizationRequest` by determining the equality of external objects in a list. This method is dynamic and is based on the `equals` method in Java.
- [hashCode\(\)](#)
Maintains the integrity of lists of type `PaymentMethodTokenizationRequest` by determining the uniqueness of the external object records in a list.
- [toString\(\)](#)
Converts a date to a string.

equals(obj)

Maintains the integrity of lists of type `PaymentMethodTokenizationRequest` by determining the equality of external objects in a list. This method is dynamic and is based on the `equals` method in Java.

Signature

```
global Boolean equals(Object obj)
```

Parameters

obj

Type: `Object`

External object whose key is to be validated.

Return Value

Type: [Boolean](#)



Signature

global Integer hashCode()

Return Value

Type: [Integer](#)

toString()

Converts a date to a string.

Signature

global String toString()

Return Value

Type: [String](#)

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