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PaymentMethodTokenizationResponse Class ≡

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PaymentMethodTokenizationRespo Class

Gateway response sent by payment gateway adapters for the payment method tokeniza request. The response includes the payment method's token ID value.

Namespace

CommercePayments

Usage

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

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

After the payment gateway processes a tokenization request, the fields of `PaymentMethodTokenizationResponse` receive and store information from the gateway's res gateway's response shows whether the tokenization request was successful, the token v any additional messages or information about the tokenization process. You can then p instance of `PaymentMethodTokenizationResponse` to an authorization response or a sale re class is mapped to a response class in the Java layer.

Example

This constructor builds a new instance of the `PaymentMethodTokenizationResponse` class.

```
    commercepayments.PaymentMethodTokenizationResponse tokenizeResponse = new comm
```

`PaymentMethodTokenizationResponse` contains only setter methods. Each setter accepts a the payment gateway and use it to set an attribute of `PaymentMethodTokenizationRespons`

The most important method in `PaymentMethodTokenizationResponse` is `setGatewayTokenEn` which uses Salesforce encryption to set an encrypted token value for a payment metho `setGatewayTokenEncrypted` method is available in Salesforce API v52.0 and later. We reco using it to ensure your tokenized payment method values are encrypted and secure. Wh `setGatewayToken` method (available in earlier API versions) also returns a payment meth the tokenized value isn't encrypted.

If the instantiated class already has a gateway token, `setGatewayTokenEncrypted` throws a

```
    /** @description Method to set Gateway token to persist in Encrypted Text */
    global void setGatewayTokenEncrypted(String gatewayTokenEncrypted) {
        if (gatewayTokenSet)  {
            throwTokenError();
        }
        this.delegate.setGatewayTokenEncrypted(gatewayTokenEncrypted);
```

```apex
    public commercepayments.GatewayResponse createTokenizeResponse(commercepayment
        commercepayments.PaymentMethodTokenizationResponse tokenizeResponse =
        tokenizeResponse.setGatewayTokenEncrypted(gatewayTokenEncrypted);
        tokenizeResponse.setGatewayTokenDetails(gatewayTokenDetails);
        tokenizeResponse.setGatewayAvsCode(gatewayAvsCode);
        tokenizeResponse.setGatewayMessage(gatewayMessage);
        tokenizeResponse.setGatewayResultCode(gatewayResultCode);
        tokenizeResponse.setGatewayResultCodeDescription(gatewayResultCodeDes
        tokenizeResponse.setSalesforceResultCodeInfo(SUCCESS_SALESFORCE_RESUL
        tokenizeResponse.setGatewayDate(system.now());
        return tokenizeResponse;
    }
```

After you've built a PaymentMethodTokenizationResponse object and set the encrypted token, pass the object to the `setPaymentMethodTokenizationResponse` method of an autho response or a sale response.

Authorization Response

```apex
    public commercepayments.GatewayResponse createAuthResponse(commercepayments.A
        commercepayments.AuthorizationResponse authResponse = new commercepa
        commercepayments.PaymentMethodTokenizationResponse paymentMethodToke
        if(authRequest.amount!=null )
        {
            authResponse.setAmount(authRequest.amount);
        }
        else
        {
            throw new SalesforceValidationException('Required Field Missing
        }

        authResponse.setGatewayResultCode('00');
        authResponse.setGatewayResultCodeDescription('Transaction Normal');
        authResponse.setGatewayAuthCode('SF'+getRandomNumber(6));
        authResponse.setGatewayReferenceNumber(getRandomNumber(10));
        authResponse.setSalesforceResultCodeInfo(SUCCESS_SALESFORCE_RESULT_C
        authResponse.setGatewayDate(system.now());
        paymentMethodTokenizationResponse.setGatewayTokenEncrypted(gatewayTo
        authResponse.setPaymentMethodTokenizationResponse(paymentMethodToken
        return authResponse;
    }
```

Sale Response

```apex
    public commercepayments.GatewayResponse createSaleResponse(commercepayments.S
        commercepayments.SaleResponse saleResponse = new commercepayments.Sa
        commercepayments.PaymentMethodTokenizationResponse paymentMethodToke
        if(saleRequest.amount!=null )
        {
            saleResponse.setAmount(saleRequest.amount);
        }
        else
        {
            throw new SalesforceValidationException('Required Field Missing
        }

        system.debug('Response - success');
        saleResponse.setGatewayDate(system.now());
        saleResponse.setGatewayResultCode('00');
        saleResponse.setGatewayResultCodeDescription('Transaction Normal');
```

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- **PaymentMethodTokenizationResponse Methods**

PaymentMethodTokenizationResponse Met

The following are methods for `PaymentMethodTokenizationResponse`.

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

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

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

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

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

- **setGatewayToken(gatewayToken)**
  Sets the gateway token value that the gateway returned.

- **setGatewayTokenDetails(gatewayTokenDetails)**
  Sets any additional information that the gateway returned about the payment tok

- **setGatewayTokenEncrypted(gatewayTokenEncrypted)**
  Sets the value of the `gatewayTokenEncrypted` field on a CardPaymentMethod or
  DigitalWallet object.

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

setGatewayAvsCode(gatewayAvsCode)

Sets the AVS (address verification system) result code information that the gateway retu
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 platforn
tokenization from the payment gateway.

Return Value

Type: void

setGatewayDate(gatewayDate)

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

gatewayDate
   Type: Datetime

Return Value

Type: void

setGatewayMessage(gatewayMessage)

Sets error messages that the gateway returned for the tokenization request. Maximum l
255 characters.

Signature

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

Parameters

gatewayMessage
   Type: String

Return Value

Type: void

setGatewayResultCode(gatewayResultCode)

Sets a gateway-specific result code. The code may be mapped to a Salesforce-specific re
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(gatewayResultCodeD

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

Signature

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

Parameters

gatewayResultCodeDescription
   Type: String

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

setGatewayToken(gatewayToken)

Sets the gateway token value that the gateway returned.

Signature

```
global void setGatewayToken(String gatewayToken)
```

Parameters

gatewayToken

Type: String

The gateway token that the payment gateway sends following a tokenization request.

For the CardPaymentMethod and DigitalWallet objects, use the gatewyTokenEncrypted
parameter, which encrypts the token value.

Return Value

Type: void

setGatewayTokenDetails(gatewayTokenDetails)

Sets any additional information that the gateway returned about the payment token.

Signature

```
global void setGatewayTokenDetails(String gatewayTokenDetails)
```

Parameters

gatewayTokenDetails

Type: String

Return Value

Type: void

setGatewayTokenEncrypted(gatewayTokenEncrypted)

Sets the value of the `gatewayTokenEncrypted` field on a CardPaymentMethod or DigitalWa

Signature

```
global void setGatewayTokenEncrypted(String gatewayTokenEncrypted)
```

Parameters

gatewayTokenEncrypted

Type: String

The gateway token that the payment gateway sends following a tokenization request. S
Payments uses Salesforce encryption to encrypt the token value.

Return Value

Type: void

setSalesforceResultCodeInfo(salesforceResultCodeInfo)

Sets the Salesforce-specific result code information. Payment gateways have many respo
for payment calls. Salesforce uses the result code information to map payment gateway

```
salesforceResultCodeInfo)
```

Parameters

salesforceResultCodeInfo

Type: SalesforceResultCodeInfo

Description of the Salesforce result code value.

Return Value

Type: void

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