☰ ☁

Developers   ⌄

CalculateTaxResponse Class ☰

CalculateTaxResponse Class

Sets the values of the tax transaction following a response from the external tax engine. Extends the AbstractTransactionResponse class and is the top-level response class.

Namespace

CommerceTax

Example

```
if(requestType == commercetax.RequestType.CalculateTax){
        commercetax.calculatetaxtype type = request.taxtype;
        String docCode='';
        if(request.DocumentCode == 'simulateEmptyDocumentCode')
            docCode = '';
        else if(request.DocumentCode != null)
            docCode =request.DocumentCode;
        else if(request.ReferenceEntityId != null) docCode = request.ReferenceEntity]
        else docCode =  String.valueOf(getRandomInteger(0,2147483647));
        commercetax.CalculateTaxResponse response = new commercetax.CalculateTaxRespo
        if(request.isCommit == true) {
            response.setStatus(commercetax.TaxTransactionStatus.Committed);
        } else {
            response.setStatus(commercetax.TaxTransactionStatus.Uncommitted);
        }
        response.setDocumentCode(docCode);
        response.setReferenceDocumentCode(request.referenceDocumentCode);
        response.setTaxType(type);
        response.setStatusDescription('statusDescription');
        if(request.sellerDetails.code == 'testSellerCode') {
            response.setDescription('SellerCode fetched from TaxEngine entity');
        }
        else {
            response.setDescription('description');
        }
    response.setEffectiveDate(system.now());
    if(request.transactionDate == null) {
       response.setTransactionDate(system.now());
    } else {
       response.setTransactionDate(request.transactionDate);
    }
        if(request.taxTransactionType == null) {
            response.setTaxTransactionType(commercetax.TaxTransactionType.Debit);
        } else {
            response.setTaxTransactionType(request.taxTransactionType);
        }
        if(request.currencyIsoCode == null || request.currencyIsoCode == '') {
            response.setCurrencyIsoCode('USD');
        } else {
            response.setCurrencyIsoCode(request.currencyIsoCode);
        }
        response.setReferenceEntityId(request.ReferenceEntityId);
    }
```

- **CalculateTaxResponse Methods**
  Learn more about the available methods with the `CalculateTaxResponse` class.

- **setAddresses(addresses)**
  Sets the value of the Addresses field using the addresses contained in an instance of the AddressesResponse class.
- **setAmountDetails(amountDetails)**
  Sets the value of the AmountDetails field using an instance of `AmountDetailsResponse`.
- **setCurrencyIsoCode(currencyIsoCode)**
  Sets the value of the CurrencyIsoCode field of the `CalculateTaxResponse` object.
- **setDescription(dscptn)**
  Sets the value of the Description field of the `CalculateTaxResponse` object.
- **setDocumentCode(documentCode)**
  Sets the value of the DocumentCode field of the `CalculateTaxResponse` object.
- **setEffectiveDate(effectiveDate)**
  Sets the value of the EffectiveDate field of the `CalculateTaxResponse` object.
- **setLineItems(lineItems)**
  Sets the value of the LineItems field of the `CalculateTaxResponse` object.
- **setReferenceDocumentCode(referenceDocumentCode)**
  Sets the value of the ReferenceDocumentCode field of the `CalculateTaxResponse` object.
- **setReferenceEntityId(referenceEntityId)**
  Sets the value of the ReferenceEntityId field of the `CalculateTaxResponse` object.
- **setStatus(status)**
  Sets the value of the Status field of the `CalculateTaxResponse` object.
- **setStatusDescription(statusDescription)**
  Sets the value of the StatusDescription field of the `CalculateTaxResponse` object.
- **setTaxTransactionId(taxTrxnId)**
  Sets the value of the TaxTransactionId field of the `CalculateTaxResponse` object.
- **setTaxTransactionType(taxTransactionType)**
  Sets the value of the TaxTransactionType field of the `CalculateTaxResponse` object.
- **setTaxType(taxType)**
  Sets the value of the TaxType field of the `CalculateTaxResponse` object.
- **setTransactionDate(transactionDate)**
  Sets the value of the TransactionDate field of the `CalculateTaxResponse` object.

setAddresses(addresses)

Sets the value of the Addresses field using the addresses contained in an instance of the AddressesResponse class.

Signature

```
global void setAddresses(commercetax.AddressesResponse addresses)
```

Parameters

addresses

Type: AddressesResponse

Contains Ship To, Ship From, and Sold To addresses.

Return Value

Type: void

setAmountDetails(amountDetails)

Sets the value of the AmountDetails field using an instance of `AmountDetailsResponse`.

amountDetails

Type: AmountDetailsResponse

The tax amount details for a line item on which tax was calculated.

Return Value

Type: void

setCurrencyIsoCode(currencyIsoCode)

Sets the value of the CurrencyIsoCode field of the `CalculateTaxResponse` object.

Signature

```
global void setCurrencyIsoCode(String currencyIsoCode)
```

Parameters

currencyIsoCode

Type: String

Three-letter ISO 4217 currency code associated with a tax object.

Return Value

Type: void

setDescription(dscptn)

Sets the value of the Description field of the `CalculateTaxResponse` object.

Signature

```
global void setDescription(String dscptn)
```

Parameters

dscptn

Type: String

Optional description for providing more information about the calculate tax response.

Return Value

Type: void

setDocumentCode(documentCode)

Sets the value of the DocumentCode field of the `CalculateTaxResponse` object.

Signature

```
global void setDocumentCode(String documentCode)
```

Parameters

documentCode

Type: String

Code for a tax document that's created by the tax engine for the calculation process.

setEffectiveDate(effectiveDate)

Sets the value of the EffectiveDate field of the `CalculateTaxResponse` object.

Signature

```
global void setEffectiveDate(Datetime effectiveDate)
```

Parameters

effectiveDate
Type: Datetime

The date a tax calculation action takes effect. This parameter is optional and is provided only for recordkeeping purpose. Additionally, this parameter is used to determine the tax rates or rules and overrides the transaction date. For example, if the tax calculation request is placed on January 3 and the transaction date is January 1, you can set the effective date as January 1.

Return Value

Type: void

setLineItems(lineItems)

Sets the value of the LineItems field of the `CalculateTaxResponse` object.

Signature

```
global void setLineItems(List<commercetax.LineItemResponse> lineItems)
```

Parameters

lineItems
Type: List<LineItemResponse>

Response object that the tax adapter populates from the response of the external tax engine.

Return Value

Type: void

setReferenceDocumentCode(referenceDocumentCode)

Sets the value of the ReferenceDocumentCode field of the `CalculateTaxResponse` object.

Signature

```
global void setReferenceDocumentCode(String referenceDocumentCode)
```

Parameters

referenceDocumentCode
Type: String

Code for a reference document used in the tax calculation process.

Return Value

Type: void

setReferenceEntityId(referenceEntityId)

Sets the value of the ReferenceEntityId field of the `CalculateTaxResponse` object.

referenceEntityId

    Type: String

    ID of an entity related to the line items submitted for tax calculation. For example, if order items were sent for tax calculation, you could use the ID of their parent order.

Return Value

Type: void

setStatus(status)

Sets the value of the Status field of the `CalculateTaxResponse` object.

Signature

```
global void setStatus(commercetax.TaxTransactionStatus status)
```

Parameters

status

    Type: TaxTransactionStatus

    Indicates whether a tax transaction has been committed.

Return Value

Type: void

setStatusDescription(statusDescription)

Sets the value of the StatusDescription field of the `CalculateTaxResponse` object.

Signature

```
global void setStatusDescription(String statusDescription)
```

Parameters

statusDescription

    Type: String

    Optional value for providing more information about a tax transaction's status.

Return Value

Type: void

setTaxTransactionId(taxTrxnId)

Sets the value of the TaxTransactionId field of the `CalculateTaxResponse` object.

Signature

```
public void setTaxTransactionId(String taxTrxnId)
```

Parameters

taxTrxnId

    Type: String

Type: void

setTaxTransactionType(taxTransactionType)

Sets the value of the TaxTransactionType field of the `CalculateTaxResponse` object.

Signature

```
global void setTaxTransactionType(commercetax.TaxTransactionType taxTransactionType)
```

Parameters

taxTransactionType

　Type: TaxTransactionType

　Whether the tax transaction was for a credit or debit transacation.

Return Value

Type: void

setTaxType(taxType)

Sets the value of the TaxType field of the `CalculateTaxResponse` object.

Signature

```
global void setTaxType(commercetax.CalculateTaxType taxType)
```

Parameters

taxType

　Type: CalculateTaxType

　Indicates whether a tax calculation request is for estimated or actual tax.

Return Value

Type: void

setTransactionDate(transactionDate)

Sets the value of the TransactionDate field of the `CalculateTaxResponse` object.

Signature

```
global void setTransactionDate(Datetime transactionDate)
```

Parameters

transactionDate

　Type: Datetime

　The date that the tax transaction occurred.

Return Value

Type: void

DID THIS ARTICLE SOLVE YOUR ISSUE?
Let us know so we can improve!

Share your feedback

DEVELOPER CENTERS

Heroku

MuleSoft

Tableau

Commerce Cloud

Lightning Design System

Einstein

Quip

POPULAR RESOURCES

Documentation

Component Library

APIs

Trailhead

Sample Apps

Podcasts

AppExchange

COMMUNITY

Trailblazer Community

Events and Calendar

Partner Community

Blog

Salesforce Admins

Salesforce Architects

Privacy Information   Terms of Service   Legal   Use of Cookies   Trust   Cookie Preferences

Your Privacy Choices   Responsible Disclosure   Contact