



TaxEngineContext Class

Wrapper class that stores details about the type of a tax calculation request.

Namespace

[CommerceTax](#)

Example

At the beginning of a tax adapter, use `TaxEngineContext` class to pass the value of a request type to an instance of `RequestType`.

```
global virtual class MockAdapter implements commercetax.TaxEngineAdapter {  
  
    global commercetax.TaxEngineResponse processRequest(commercetax.TaxEngineContext taxEngineContext,  
        commercetax.RequestType requestType = taxEngineContext.getRequestType(),  
        commercetax.CalculateTaxRequest request = (commercetax.CalculateTaxRequest)taxEngineContext.getRequest()) {
```

Build the rest of your adapter based on the type of request that you got from `TaxEngineContext` class.

```
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.ReferenceEntityId;  
    else docCode = String.valueOf(getRandomInteger(0,2147483647));  
    commercetax.CalculateTaxResponse response = new commercetax.CalculateTaxResponse();  
    if(request.isCommit == true) {  
        response.setStatus(commercetax.TaxTransactionStatus.Committed);  
    } else {  
        response.setStatus(commercetax.TaxTransactionStatus.Uncommitted);  
    }  
}
```

- [TaxEngineContext Constructors](#)

Learn more about the available constructors with the `TaxEngineContext` class.

- [TaxEngineContext Methods](#)

Learn more about the available methods with the `TaxEngineContext` class.

TaxEngineContext Constructors

Learn more about the available constructors with the `TaxEngineContext` class.

The `TaxEngineContext` class includes these constructors.



TaxEngineContext(request, requestType, namedUri)

Initializes the `TaxEngineContext` object. This constructor is intended for test usage and throws an exception if used outside of the Apex test context.

Signature

```
TaxEngineContext(commercetax.TaxEngineRequest request, commercetax.RequestType requestType,  
String namedUri)
```

Parameters

request

Type: `TaxEngineRequest`

Information about the request.

requestType

Type: [RequestType](#)

Whether the tax request is to calculate or estimate tax.

namedUri

Type: [String](#)

URI that was called as part of the tax calculation request.

TaxEngineContext Methods

Learn more about the available methods with the `TaxEngineContext` class.

The `TaxEngineContext` class includes these methods.

- [getNamedUri\(\)](#)
Retrieves the value of the `NamedUri` field of the `TaxEngineContext` class.
- [getRequest\(\)](#)
Gets the value of the `TaxEngineContext` 's `Request` field.
- [getRequestType\(\)](#)
Gets the value of the `RequestType` field of the `TaxEngineContext` class.

getNamedUri()

Retrieves the value of the `NamedUri` field of the `TaxEngineContext` class.

Signature

```
global String getNamedUri()
```

Return Value

Type: [String](#)

getRequest()

Gets the value of the `TaxEngineContext` 's `Request` field.

Signature

```
global commercetax.TaxEngineRequest getRequest()
```

Return Value



getRequestType()

Gets the value of the RequestType field of the TaxEngineContext class.

Signature

```
global commercetax.RequestType getRequestType()
```

Return Value

Type: [RequestType](#)

Indicates whether the calculation request was for actual or calculated tax.

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