

ccrz.ccLogicAttrFetch

Overview

 This class is NOT recommended for override because it is an integral piece of [ccrz.ccAPIAttribute.fetch](#) functionality.

Called by [ccrz.ccAPIAttribute](#) during [fetch](#).

This class filters out "extra" E_Attribute__c objects that may have been returned as results from the SOQL Query. This occurs because the AttributeID__c field of a child is not unique except among its direct peers and therefore we may get E_Attribute__c objects that were not being queried. The other function of this class is to key the return data either by AttributeID__c or by [Force.com](#) ID based on the ccrz.ccApiAttribute.BYaid parameter.

Example:

```
E_Attribute__c parentAttribute1 = new E_Attribute__c{ AttributeID__c =
'parent1'};
    E_Attribute__c childAttribute1 = new E_Attribute__c
{AttributeID__c = 'cAtt1', ParentAttribute__c = parentAttribute1};
    E_Attribute__c childAttribute2 = new E_Attribute__c
{AttributeID__c = 'cAtt2', ParentAttribute__c = parentAttribute1};
    E_Attribute__c childAttribute3 = new E_Attribute__c
{AttributeID__c = 'cAtt3', ParentAttribute__c = parentAttribute1};

E_Attribute__c parentAttribute2 = new E_Attribute__c{ AttributeID__c =
'parent2'};
    E_Attribute__c childAttribute4 = new E_Attribute__c
{AttributeID__c = 'cAtt1', ParentAttribute__c = parentAttribute2};
    E_Attribute__c childAttribute5 = new E_Attribute__c
{AttributeID__c = 'cAtt2', ParentAttribute__c = parentAttribute2};
    E_Attribute__c childAttribute6 = new E_Attribute__c
{AttributeID__c = 'cAtt3', ParentAttribute__c = parentAttribute2};

Map<String, Object> searchParm = new Map<String, Object>{
    'parent1':{cAtt2},
    'parent2':{cAtt1}
};

//In this case if we called fetch and did NOT have the logic class our
return set would be:
//Note that we have 6 attributes (2 for children for each parent) when
we only expected to have 4
//*Data assumes BYaid was passed as TRUE, if not this map would be
keyed by SFID
{
    'parent1':{AttributeID__c ='parent1'},
    'parent2':{AttributeID__c ='parent2'},
    'parent1^cAtt1':{AttributeID__c ='cAtt1', ParentAttribute__c =
```

```

parentAttribute1},
    'parent1^cAtt2':{AttributeID__c ='cAtt2', ParentAttribute__c =
parentAttribute1},
    'parent2^cAtt1':{AttributeID__c ='cAtt1', ParentAttribute__c =
parentAttribute2},
    'parent2^cAtt2':{AttributeID__c ='cAtt2', ParentAttribute__c =
parentAttribute2}
}

//With the logic class, filtering occurs using the passed in input to
strip excess E_Attribute__c objects returned
//Note return has the proper amount of objects (4)
/*Data assumes BYAID was passed as TRUE, if not this map would be
keyed by SFID
{
    'parent1':{AttributeID__c ='parent1'},
    'parent2':{AttributeID__c ='parent2'},
    'parent1^cAtt2':{AttributeID__c ='cAtt2', ParentAttribute__c =
parentAttribute1},
    'parent2^cAtt1':{AttributeID__c ='cAtt1', ParentAttribute__c =
parentAttribute2},
}

```

ccrz.ccLogicAttrFetch.process

The process method is the main method that invokes the overall chain of methods listed above and is an override of ccLogic.process. Any exceptions thrown during processing will be thrown out of the method, i.e. there are no catches.

Main Flow

As a utility Logic Class that is integral to [ccrz.ccAPIAttribute.fetch](#), this class has only one global virtual method.

```

Map<String, Object> process(Map<String, Object> inputData){
    if(ccUtil.isTrue(ccAPI.lookupSz(inputData, ccApiAttribute.
entityName, ccAPI.SZ_SKIPTRZ))){
        return processSKIPTRZ(inputData);
    }
    //Logic to filter transformed attributes
}

```

Methods

process(global virtual) Method

Performs the logic needed to remove extraneous results from the fetch call. This method also determines whether to organize the return data by Force.com ID or AttributeID__c field depending on parameters.

```
Map<String, Object> process(Map<String, Object> inputData){
    if(ccUtil.isTrue(ccAPI.lookupSz(inputData, ccApiAttribute.
entityName, ccAPI.SZ_SKIPTRZ))){
        return processSKIPTRZ(inputData);
    }
    //Logic to filter transformed attributes
}
```

processSKIPTRZ(Public non-virtual) Method

Method used from within the process method if the SZ_SKIPTRZ flag is passed as TRUE. If overriding this class, this method's equivalent MUST be created and called to ensure functionality.

Input & Output Parameters

Since this is called as part of the fetch, this class expects to use the data as returned by the ccServicePL class and the parameters from the fetch method.

Request Parameters

Parameter Key	Type	Description
ccrz.ccApi.API_VERSION	Integer	The API_VERSION defines the generally expected set of parameters and is used to ensure future backward compatibility. If not passed, then a ccrz.ccApi.NoApiVersionException will be thrown.
ccrz.ccApi.SIZING	Map<String, Object>	See the Global API: Data-Sizing Conventions for usage.
ccrz.ccAPIAttribute.IDS	set<String>	Set of E_Attribute__c Force.com IDs to fetch.
ccrz.ccAPIAttribute.ATTRIBUTEIDS	Map<String, Object>	A Map representation keyed by the Parent AttributeID__c field matched to a List<String> of Child AttributeID__c fields to fetch. Example: <pre>new Map<String, Object>{ 'ParentAttributeID1' => new List<String>{'ChildAttrID1', 'ChildAttrID2', 'ChildAttr3'}, 'ParentAttributeID2' => new List<String>{'ChildAttrID4', 'ChildAttrID6', 'ChildAttr5'} }</pre>
ccrz.ccAPIAttribute.LOCALE	String	Locale to use for Translation. Default: Uses cc_CallContext

ccrz. ccAPIAttribute. BYAID	Boolean	If TRUE, return data will be keyed by AttributeID__c instead of by SFID. Default is FALSE (keyed by SFID). Example: <pre>Map<String, Object>{ 'ParentAttributeID1'+ccrz.ccAPIPriceList.DELIMITER+'ChildAttributeID1' = > {E_Attribute__c}, 'ParentAttributeID1'+ccrz.ccAPIPriceList.DELIMITER+'ChildAttributeID2' = > {E_Attribute__c}, 'ParentAttributeID1' => {E_Attribute__c} }</pre>
ccrz. ccAPIAttribute. PARENTIDS	set<String>	Parent E_Attribute__c Force.com IDs for which to fetch the children of. Parent E_Attribute__c are NOT included in the return, if you wish to include parents use the same set with the ccrz.ccAPIAttribute.IDS input.

Response Parameters

Parameter Key	Type	Description
ccrz.ccApi. API_VERSION	Integer	The version of the return. The API_VERSION defines the generally expected set of return data and is used for backward compatibility.
ccrz.ccApi. SUCCESS	Boolean	A Boolean indicating whether the operation succeeded. Note that in some cases an exception may not always be thrown for errors that occur. If success is FALSE, then the transaction should generally be rolled back.
ccrz. ccApiPriceList. ATTRIBUTES	Map<String, Map<String, Object>>	A Map<String, Map<String,Object>> keyed by the Force.com ID OR the AttributeID__C of the returned E_Attribute__c. View the ccrz.ccAPIAttribute.BYAID documentation for an example of return data keyed by AttributeID__c