

Interface Description

ServiceCo_REST



Revision date: 25.08.2021

TecAlliance GmbH

Contents

Module Details

1. ComponentTreeController

ObjectModel

1. AddInfoKey
2. AddInfoKeyFilterParameter
3. AddInfoKeyIdValuesMsg
4. AddInfoKeysMsg
5. ClassesMsg
6. CoClass
7. CoMake
8. CoType
9. CoTypeAdditionalDetail
10. CoTypeDetail
11. MakesMsg
12. TypeDetailsMsg
13. TypesMsg

Module Details

1. ComponentTreeController

1.1. Sequence Of Calls

To build the component tree you first have to call the [Classes](#) method, which returns a list of component classes. After selecting a component class you can pass its id to [Makes](#) , so you will get a list of component makes in return. To retrieve the types belonging to a make, call [Types](#) passing it the make id.

1.2. Summary

Area [RestRMI.Areas.Co.Controllers.ComponentTreeController](#) provides the web service methods for the part component. Select here manufacturer, model range and then type for part components of a vehicle.

1.3. Detailed Module Documentation

1.3.1. Properties

- **HttpContext ActionContext**
No description available
- **HttpConfiguration Configuration**
No description available
- **HttpContext ControllerContext**
No description available
- **string Ip**
Gets the IP.
- **ModelStateDictionary ModelState**
No description available
- **HttpRequestMessage Request**
No description available
- **HttpContext RequestContext**
No description available
- **UrlHelper Url**
No description available
- **IPrincipal User**
No description available

1.3.2. Methods

- **IEnumerable<[AddInfoKey](#)> AddInfoKeys([AddInfoKeysMsg](#) input)**
Delivers a collection with the available optional additional information keys for components depending on the given class id.

Remarks

E.g. ClassId is set to 5 (gearbox), all additional information keys that are known to apply to gearboxes are returned.

Parameter

input - Instance of the message class RestRMI.Areas.Vt.Models.AddInfoKeysMsg.

Returns

A collection of component add info keys.

- IEnumerable<String> AddInfoKeyIdValues(AddInfoKeyIdValuesMsg input)

Gets the list of values for the given additional information key in the given language.

Parameter

input - Instance of the message class RestRMI.Areas.Vt.Models.AddInfoKeyIdValuesMsg.

Returns

A collection with the values of the component additional info key.

- IEnumerable<CoTypeDetail> GetComponentTreeTypeDetails(TypeDetailsMsg input)

Delivers a collection with all component type details from a component type for the given country in the selected language, filtered by the given filter parameters.

Parameter

input - Instance of the message class TypeDetailsMsg.

Returns

A collection with component type details.

- IEnumerable<CoClass> Classes(ClassesMsg input)

Delivers a collection with all component classes for the given country in the selected language, filtered by the given filter parameter.

Remarks

It is important that selected filter parameters do not change during successive calls to Classes, Makes and Types.

Parameter

input - Instance of the message class ClassesMsg.

Returns

List with component classes.

See also

Makes(MakesMsg)

Types(TypesMsg)

- IEnumerable<CoMake> Makes(MakesMsg input)

Delivers a collection with all component manufacturers for the given component class id and country in the selected language, filtered by the given filter parameter.

Parameter

input - Instance of the message class MakesMsg.

Returns

A collection with component manufacturers.

See also

Classes(ClassesMsg)

- IEnumerable<CoType> Types(TypesMsg input)

Delivers a collection with all component types from a component manufacturer for the given country in the selected language, filtered by the given filter parameters.

Parameter

input - Instance of the message class TypesMsg.

Returns

A collection with component types.

See also

Classes(ClassesMsg)

Object Model

1. AddInfoKey

1.1. Summary

Class **AddInfoKey** represents an additional information key for example a weight, a fuel type, an engine and so on.

1.2. Detailed Module Documentation

1.2.1. Properties

- **int AddInfoKeyId**

Gets or sets the additional information key id. The id is negative if the additional information key represents a component.

Property-Value

The additional information key id.

- **string AddInfoKeyName**

Gets or sets the name of the additional information key.

Property-Value

The name of the additional information key.

- **string AddInfoKeyValueTypeName**

Gets the name of the type of the additional information key value.

The types are formatted as XML-Schema datatypes and possible types are xs:integer, xs:float and xs:string.

Property-Value

The type of the additional information key value.

- **int CountrySpecific**

Gets or sets a value indicating whether the additional information key is specific for a certain country.

Property-Value

true if the additional information key is specific for a certain country; otherwise, false.

- **Nullable<Decimal> FilterRange**

Gets or sets the filter range. When filtering vehicles by additional information keys of numeric types, not only vehicles of the exact input value are returned but also vehicles for which the input value differs

by the filter range distance.

Property-Value

The filter range.

- bool IsAllowedForAllClasses

Gets or sets a value indicating whether this additional information key is allowed for all classes.

Property-Value

true if it is allowed for all classes; otherwise, false.

- bool IsAllowedMultiple

Gets or sets a value indicating whether a vehicle is allowed to have multiple additional information keys of the same id.

Property-Value

true if a vehicle is allowed to have multiple additional information keys of the same id; otherwise, false.

2. AddInfoKeyFilterParameter

2.1. Summary

Class **AddInfoKeyFilterParameter** represents an additional information key filter parameter. This class is used in order to filter vehicles and components by additional information keys.

2.2. Detailed Module Documentation

2.2.1. Properties

- string AddInfoKeyFilterValue

Gets or sets the additional information key filter value.

Property-Value

The additional information key filter value.

- int AddInfoKeyId

Gets or sets the additional information key id. The id is negative if the additional information key represents a component.

Remarks

List of possible AddInfoKeyIds could be called with method `GetVtAddInfoKeys(...)`. In addition to the AddInfoKeyIds returned from this method could be used AddInfoKeyId "-2" for filtering the vehicle tree for all vehicle build in the given year.

Property-Value

The additional information key id.

3. AddInfoKeyIdValuesMsg

3.1. Summary

Class [RestRMI.Areas.Co.Models.AddInfoKeyIdValuesMsg](#) contains the properties which are necessary to call the web service methods `AddInfoKeyIdValues(GetVtAddInfoKeyIdValuesMsg)">GetVtAddInfoKeyIdValues(...)`.

3.2. Detailed Module Documentation

3.2.1. Properties

- **int AddInfoKeyId**

Gets or sets the id of the additional information key whose values should be returned from the method

`AddInfoKeyIdValues(GetVtAddInfoKeyIdValuesMsg)`.

The possible id can be fetched by a calling the web service method

`AddInfoKeys(GetVtAddInfoKeysMsg)`.

Property-Value

The filter after additional information.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

4. AddInfoKeysMsg

4.1. Summary

Class [RestRMI.Areas.Co.Models.AddInfoKeysMsg](#) contains the properties which are necessary to call web service method `AddInfoKeys(GetVtAddInfoKeysMsg)`.

4.2. Detailed Module Documentation

4.2.1. Properties

- **Nullable<Int32> ClassId**

Gets or sets the class id.

Remarks

Possible values are: 1 (car), 2 (truck), 3 (motorbike), 4 (engine), 5 (gearbox), 6 (axle), 7 (brakes)

Property-Value

The class id.

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

5. ClassesMsg

5.1. Summary

Class [RestRMI.Areas.Co.Models.ClassesMsg](#) contains the properties which are necessary to call the web service method `Classes(ClassesMsg)`.

5.2. Detailed Module Documentation

5.2.1. Properties

- **List<[AddInfoKeyFilterParameter](#)> AddInfoKeyFilter**

Gets or sets the filter after additional information like manufacturer id, fuel typ, axle configuration etc.

Property-Value

The filter after additional information.

- **string ComponentMakeNameFilter**

Gets or sets the filter for the component make names.

Passing an empty string means no filtering after component manufacturer names.

Property-Value

The filter for the component make names.

- **string ComponentTypeNameFilter**

Gets or sets the filter for the component type names.

Passing an empty string means no component type name filtering.

Property-Value

The filter for the component type names.

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **Nullable<Int32> TypeIdFilter**

Gets or sets the filter after the TecRMI type id.

Passing null means no type id filtering.

Property-Value

The type id filter.

6. CoClass

6.1. Summary

Represents a component class. In the component tree hierarchy, component classes are on the topmost level.

6.2. Detailed Module Documentation

6.2.1. Properties

- **int ComponentClassId**

Gets or sets the id of the component class.

Property-Value

The component class id.

- **string ComponentClassName**

Gets or sets the name of the component class.

Property-Value

The component class name.

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this component class.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this component class is denied.

Property-Value

true if this component class is locked; otherwise, false.

7. CoMake

7.1. Summary

Represents a component make in the component topic tree. In the component tree hierarchy, component makes are children of component classes. Each component make belongs to exactly one component class.

7.2. Detailed Module Documentation

7.2.1. Properties

- int ComponentMakeId

Gets or sets the component make id.

Property-Value

The component make id.

- string ComponentMakeName

Gets or sets the name of the component manufacturer.

Property-Value

The name of the component make.

- bool InfoDataExists

Gets or sets a value indicating whether there are information data existing for this component manufacturer.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- bool IsLocked

Gets or sets a value indicating whether access to this component manufacturer is denied.

Property-Value

true if this component make is locked; otherwise, false.

8. CoType

8.1. Summary

Represents a component type. In the component tree hierarchy, component types are children of component makes. Each component type belongs to exactly one component manufacturer.

8.2. Detailed Module Documentation

8.2.1. Properties

- List<[CoTypeAdditionalDetail](#)> ComponentTypeDetails

Gets or sets a list of component type details.

Property-Value

The component type details.

- int ComponentTypeId

Gets or sets the type id of this component.

Property-Value

The component type id.

- string ComponentTypeName

Gets or sets the name of the component type.

Property-Value

The the component type name.

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this component type.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this component type is denied.

Property-Value

true if this component type is locked; otherwise, false.

9. CoTypeAdditionalDetail

9.1. Summary

Represents an additional detail of a component type.

9.2. Detailed Module Documentation

9.2.1. Properties

- **int AddInfoKeyId**

Gets or sets the additional information key id.

The id is negative if the additional information key represents a component.

Property-Value

The additional information key id.

- **string AddInfoKeyName**

Gets or sets the name of the additional information key.

Property-Value

The additional information key name.

- **string AddInfoKeyValue**

Gets or sets the value for this additional information key.

Property-Value

The additional information key value.

10. CoTypeDetail

10.1. Summary

Represents a component type detail. All levels of the component tree are present. Furthermore, a list of type details is available.

10.2. Detailed Module Documentation

10.2.1. Properties

- **int ClassId**

Gets or sets the id of this component class.

Remarks

Possible values are: 4 (engine), 5 (gearbox), 6 (axle), 7 (brakes)

Property-Value

The component class id.

- **int ComponentClassId**

Gets or sets the id of this component class.

Property-Value

The component class id.

- **string ComponentClassName**

Gets or sets the name of the component class.

Property-Value

The component class name.

- **int ComponentMakeId**

Gets or sets the component manufacturer id.

Property-Value

The component make id.

- **string ComponentMakeName**

Gets or sets the name of the component manufacturer.

Property-Value

The name of the component make.

- **int ComponentTypeId**

Gets or sets the type id of the component.

Property-Value

The component type id.

- **string ComponentTypeName**

Gets or sets the name of the component type.

Property-Value

The name of the component type.

- **bool IsLocked**

Gets or sets a value indicating whether access to this component type is denied.

Property-Value

true if this component type is locked; otherwise, false.

- **Nullable<Int32> TcdMakeId**

Gets or sets the TecDoc make id of this component.

Property-Value

The TecDoc make id.

- **Nullable<Int32> TcdRangeId**

Gets or sets the TecDoc range id of this component.

Property-Value

The TecDoc range id.

- **Nullable<Int32> TcdTypeId**

Gets or sets the TecDoc type id of this component.

Property-Value

The TecDoc type id.

- **List<CoTypeAdditionalDetail> TypeDetails**

Gets or sets a list of type details if this component.

Property-Value

The type details.

11. MakesMsg

11.1. Summary

Class [RestRMI.Areas.Co.Models.MakesMsg](#) contains the properties which are necessary to call the web service method Makes(MakesMsg).

11.2. Detailed Module Documentation

11.2.1. Properties

- **List<AddInfoKeyFilterParameter> AddInfoKeyFilter**

Gets or sets the filter after additional information like manufacturer id, fuel typ, axle configuration etc.

Property-Value

The filter after additional information.

- **int ComponentClassId**

Gets or sets the component class id. This id can be fetch by calling the web service method `Classes(ClassesMsg)`".

Property-Value

The component class id.

- **string ComponentMakeNameFilter**

Gets or sets the filter for the component make names.

Passing an empty string means no filtering after component manufacturer names.

Property-Value

The filter for the component make names.

- **string ComponentTypeNameFilter**

Gets or sets the filter for the component type names.

Passing an empty string means no component type name filtering.

Property-Value

The filter for the component type names.

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **Nullable<Int32> TypeIdFilter**

Gets or sets the filter after the TecRMI type id.

Passing null means no type id filtering.

Property-Value

The type id filter.

12. TypeDetailsMsg

12.1. Summary

Class [RestRMI.Areas.Co.Models.TypeDetailsMsg](#) contains the properties which are necessary to call the

web service methods TypeDetails(TypeDetailsMsg).

12.2. Detailed Module Documentation

12.2.1. Properties

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique.

The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

13. TypesMsg

13.1. Summary

Class [RestRMI.Areas.Co.Models.TypesMsg](#) contains the properties which are necessary to call the web service method Types(TypesMsg).

13.2. Detailed Module Documentation

13.2.1. Properties

- **List<[AddInfoKeyFilterParameter](#)> AddInfoKeyFilter**

Gets or sets the filter after additional information like manufacturer id, fuel typ, axle configuration etc.

Property-Value

The filter after additional information.

- **int ComponentMakeId**

Gets or sets the component make id. This id can be fetch by calling the web service method Makes(MakesMsg).

Property-Value

The manufacturer id of the component.

- string ComponentTypeNameFilter

Gets or sets the filter for the component type names.

Passing an empty string means no component type name filtering.

Property-Value

The filter for the component type names.

- string CountryCode

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- string LanguageCode

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- Nullable<Int32> TypeIdFilter

Gets or sets the filter after the TecRMI type id.

Passing null means no type id filtering.

Property-Value

The type id filter.