Interface Description

ServiceCommon_SOAP

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TecAlliance GmbH

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Module Details

1. ServiceCommon

1.1. General Remarks

The webservice methods uses message classes as parameter value. All these classes are derived from the base class AisService._40.Messages.BaseMsg and contains properties for the data which are necessary for calling the web service method. To calling a method create an instance of their message class, set the necessary data to the message class properties and pass it throw the web service method.

All methods require the " **CompanyName**", " **UserName**" and " **Password**" properties, containing the application-specific access parameters.

Some methods require the LanguageCode properties, a 2-letter message internationalization language code as defined by ISO 639-1. All text messages will be returned in the defined language. Only language codes returned by GetLanguages in the TecRMI common webservice are valid.

Some methods require the CountryCode properties, a 2-letter data internationalization country code as defined by ISO 3166-1. All application data will be returned as it is available for this country. Only county codes returned by GetCountries in the TecRMI common webservice are valid.

Some methods require the ConsumerId property. To this a unique value, which identifiers the customers users which uses the TecRMI webservice by the customers application has to be passed. The length of the ConsumerId property value is restricted to 50 characters and is used for access control and billing.

All methods send an error message if an exception occurred or the access to the web service was denied.

All methods that are documented to return a list return an array instead.

1.2. Web service URL's

web service URL:

https://rmi-services.tecalliance.net/soap/ServiceCommon.asmx

URL of WSDL file:

https://rmi-services.tecalliance.net/soap/ServiceCommon.asmx?wsdl

1.3. Summary

Class ServiceCommon provides the web service methods for the common part of the TecRMI web services.

1.4. Detailed Module Documentation

1.4.1. Methods

- **List<ApplicationText> GetApplicationTexts(GetApplicationTextsMsg input)**

  Delivers a collection of all application text ids and texts in the selected language.

  Parameter

  input - Instance of the message class GetApplicationTextsMsg.

Returns

A collection of application texts.

- **List<Country> GetCountries(GetCountriesMsg input)**

Retrieves a collection of all countries supported by the system. Countries codes are referring to the ISO 3166-1 standard.

Remarks

Calling country specific functions with a country parameter not supported by the system will result in an exception.

Parameter

input - Instance of the message class GetCountriesMsg.

Returns

A collection of supported countries.

Exception

System.ArgumentOutOfRangeException - Will be thrown when a language code is passed which is not supported.

- **List<Language> GetLanguages(GetLanguagesMsg input)**

Retrieves a collection of all languages supported by the system. Language codes are referring to the ISO 639-1 standard. By passing null as AisService._40.Messages.Common.GetLanguagesMsg.LanguageCode the result will be a collection where each language name is written in his own language (eg: en -> English (GB); de -> Deutsch; ru -> ; etc). Passing a valid language code by this property all the language names will be in the given language.

Remarks

Calling language specific functions with a language parameter not supported by the system will result in an exception.

Parameter

input - Instance of the message class GetLanguagesMsg.

Returns

A collection of supported languages.

Exception

System.ArgumentOutOfRangeException - Will be thrown when a language code is passed which is not supported.

- **List<QualifierCollection> GetQualifierCollections(GetQualifierCollectionsMsg input)**

  Delivers a collection of detailed information about the given qualifier collection ids.

  Parameter

  input - Instance of the message class GetQualifierCollectionsMsg.

  Returns

  A collection of qualifier collection.

- **List<QualifierGroup> GetQualifierGroupList(GetQualifierGroupListMsg input)**

  Delivers a collection of qualifier groups in the given language.

  Parameter

  input - Instance of the message class GetQualifierGroupListMsg.

  Returns

  A collection of qualifier group.

- **List<LinkTypeData> GetPossibleLinkTypes(GetPossibleLinkTypesMsg input)**

  Delivers a collection of possible values for the enum KindOfLinkTypes.

  Parameter

  input - Instance of the message class GetPossibleLinkTypesMsg.

  Returns

  A collection of link types.

- **string GetWorkPostOnlyForReferenceText(GetWorkPostOnlyForReferenceTextMsg input)**

  Gets the text for explaining the 'only for reference' flag in the labour times, maintenance data or basket module.

  Parameter

  input - Instance of the message class GeWorkPostOnlyForReferenceTextMsg.

  Returns

  A text which contains an explanation what the flag 'only for reference' means.

  Exception

  System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **string GetAdOnlyForReferenceText(GetAdOnlyForReferenceTextMsg input)**

  Gets the text explaing the 'only for reference flag' in technical data or filling amounts in the basket module.

Parameter

input - Instance of the message class GetAdOnlyForReferenceTextMsg.

Returns

A text which contains an explanation what the flag 'only for reference' means.

Exception

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **string GetInNotToOrderText(GetInNotToOrderTextMsg input)**

Gets the text explaining the 'not to order' flag in the spare part proposal.

Parameter

input - Instance of the message class GetInNotToOrderTextMsg.

Returns

A text which contains an explanation what the flag 'not to order' means.

Exception

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **string GetWorkPosTecRmiTimeText(GetWorkPosTecRmiTimeTextMsg input)**

Get the text for explaining the 'TecRMI work time' flag in the labour times, maintenance data or basket module.

Parameter

input - Instance of the message class GetWorkPosTecRmiTimeTextMsg.

Returns

A string which contains an explanation what the flag 'TecRMI work time' means.

Exception

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **VersionInfo GetVersionInfo()**

Gets the build number of the release, the version number of the solution and the DB Version number.

Returns

An object with the build number of the release, the version number of the solution and the database version number

Exception

System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

- **string GetWorkPostCompositeTimeText(GetWorkPostCompositeTimeTextMsg input)**

  Gets the text explaining the 'composite time' flag in the labour times, maintenance data or basket module.

  Parameter

  input - Instance of the message class GetWorkPostCompositeTimeTextMsg.

  Returns

  A string which contains an explanation what the flag 'composite time' means.

  Exception

  System.Web.Services.Protocols.SoapException - Thrown when a SOAP error condition occurs.

Object Model

1. ApplicationText

1.1. Summary

Class **ApplicationText**represents an text which is used in the application.

1.2. Detailed Module Documentation

1.2.1. Properties

- **int ApplicationTextId**

  Gets or sets the id of the application text.

  Property-Value

  The application text id.

- **string Text**

  Gets or sets the application text.

  Property-Value

  The text.

2. Country

2.1. Summary

Class **Country**represents a country in the AuDaLib. It contains all important information like **Name**, **ISO CountryCode**, **Currency**, etc.

2.2. Detailed Module Documentation

2.2.1. Properties

- **string CountryCode**

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

  Property-Value

  The country code.

- **int CountryId**

  Gets or sets the id of the country.

  Property-Value

  The country id.

- **string CountryName**

  Gets or sets the name of the country.

Property-Value

The name of the country.

- **string Currency**

  Gets or sets the currency of the country.

  Property-Value

  The currency.

- **Nullable<Decimal> ExchangeRate**

  Gets or sets the exchange rate at which Euro is the reference currency.

  Property-Value

  The exchange rate.

2.2.2. Methods

- **string ToString()**

  Returns a string that represents the current object.

  Returns

  A string that represents the current object.

3. GetAdOnlyForReferenceTextMsg

3.1. Summary

Class AisService._40.Messages.Common.GetAdOnlyForReferenceTextMsg contains the properties which are necessary to call the web service methods GetAdOnlyForReferenceText .

3.2. See also

ServiceCommon.GetAdOnlyForReferenceText(...)

3.3. Detailed Module Documentation

3.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

4. GetApplicationTextsMsg

4.1. Summary

Class AisService._40.Messages.Common.GetApplicationTextsMsg contains the properties which are necessary to call the web service methods GetApplicationTexts .

4.2. See also

ServiceCommon.GetApplicationTexts(...)

4.3. Detailed Module Documentation

4.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

The name of the user.

5. GetCountriesMsg

5.1. Summary

Class AisService._40.Messages.Common.GetCountriesMsg contains the properties which are necessary to call the web service method GetCountries .

5.2. See also

ServiceCommon.GetCountries(...)

5.3. Detailed Module Documentation

5.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- KindOfModule **KindOfModule**

  Gets or sets the kind of module after which the collection of supporting countries should be filtered.

  Property-Value

  The module.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

6. GetInNotToOrderTextMsg

6.1. Summary

Class AisService._40.Messages.Common.GetInNotToOrderTextMsg contains the properties which are necessary to call the web service methods GetInNotToOrderText .

6.2. See also

ServiceCommon.GetInNotToOrderText(...)

6.3. Detailed Module Documentation

6.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

7. GetLanguagesMsg

7.1. Summary

Class AisService._40.Messages.Common.GetLanguagesMsg contains the properties which are necessary to call the web service methods GetLanguages .

7.2. See also

ServiceCommon.GetLanguages(...)

7.3. Detailed Module Documentation

7.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  By passing null the result of the web service method GetLanguages(...)

  will be a collection where each language name is in his own language (eg: en -> English (GB); de -> Deutsch; ru -> ; etc.

  Passing a valid language code by this property all the language names will be in the given language.

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

8. GetPossibleLinkTypesMsg

8.1. Summary

Class AisService._40.Messages.Common.GetPossibleLinkTypesMsg contains the properties which are necessary to call the web service method GetPossibleLinkTypes .

8.2. See also

ServiceCommon.GetPossibleLinkTypes(...)

8.3. Detailed Module Documentation

8.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string Password**

Gets or sets the password.

Property-Value

The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

9. GetQualifierCollectionsMsg

9.1. Summary

Class AisService._40.Messages.Common.GetQualifierCollectionsMsg contains the properties which are necessary to call the web service methods method GetQualifierCollections .

9.2. See also

ServiceCommon.GetQualifierCollections(...)

9.3. Detailed Module Documentation

9.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **List<Int32> QualColIds**

  Gets or sets a collection of qualifier collection ids.

  Property-Value

  The qualifier collection ids.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

10. GetQualifierGroupListMsg

10.1. Summary

Class AisService._40.Messages.Common.GetQualifierGroupListMsg contains the properties which are necessary to call the web service methods GetQualifierGroupList .

10.2. See also

ServiceCommon.GetLanguages(...)

10.3. Detailed Module Documentation

10.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

11. GetWorkPostCompositeTimeTextMsg

11.1. Summary

Class AisService._40.Messages.Common.GetWorkPostCompositeTimeTextMsg contains the properties which are necessary to call the web service methods GetWorkPostCompositeTimeText .

11.2. See also

ServiceCommon.GetWorkPostCompositeTimeText(...)

11.3. Detailed Module Documentation

11.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

12. GetWorkPosTecRmiTimeTextMsg

12.1. Summary

Class AisService._40.Messages.Common.GetWorkPosTecRmiTimeTextMsg contains the properties which are necessary to call the web service methods GetWorkPosTecRmiTimeText .

12.2. See also

ServiceCommon.GetWorkPosTecRmiTimeText(...)

12.3. Detailed Module Documentation

12.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

  Property-Value

  The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

13. GetWorkPostOnlyForReferenceTextMsg

13.1. Summary

Class AisService._40.Messages.Common.GetWorkPostOnlyForReferenceTextMsg contains the properties which are necessary to call the web service methods GetWorkPostOnlyForReferenceText .

13.2. See also

ServiceCommon.GetWorkPostOnlyForReferenceText(...)

13.3. Detailed Module Documentation

13.3.1. Properties

- **string CompanyName**

  Gets or sets the name of the company.

  Property-Value

  The name of the company.

- **string LanguageCode**

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

  Property-Value

  The ISO language code.

- **string Password**

  Gets or sets the password.

Property-Value

The password.

- **string UserName**

  Gets or sets the name of the user.

  Property-Value

  The name of the user.

14. KindOfLinkTypes

14.1. Summary

Enum **KindOfLinkTypes**specifies the kinds of link types.

14.2. Remarks

The AuDaLib includes several methods that return HTML documents as strings. Some of the HTML documents may contain links. The **href**attribute of the links follows a certain scheme: e.g. href="someUrl/Þa1205Þ", where "someUrl/" is the link URL, "Þ" is the link separator, "a" is the kind of link type represented as char and "1205" is the link id. The kind of link type determines how the link id has to be interpreted and, therefore, determines the target module the link is referencing. The enumerators can be casted into chars. Altogether, a link can be evaluated on the web server before the HTML is sent to the client, or handled in an embedded browser control using the relevant navigation events.

14.3. Detailed Module Documentation

14.3.1. Enums

- **None**

  No link.

- **AdItemMpId**

  A link to an item mount position from the adjustment data module.

- **FusesBoxItemMpId**

  Unused at the moment.

- **BgItemGroup**

  A link to an item group from the body graphics module.

- **DiagnosisItemId**

  A link to an item from the diagnosis module.

- **ErrorcodeManualId**

  A link to an error code manual.

- **Fuses**

  A link to fuses.

- **HotSpotGenArt**

  A link to a generic article.

- **BgMainGroupId**

  A link to a main group from the body graphics module.

- **TmItemMpId**

  A link to an item mount position from the technical manuals module.

- **DiagnosticContentId**

  Unused at the moment.

- **Unused_K**

  Unused at the moment.

- **LockedItem**

  A link to an item for which access is denied because the user has no permissions to access the referenced item.

- **TmManualId**

  A link to a manual from the technical manuals module.

- **OeSparePartNo**

  A link to a OE spare part no from a technical manual.

- **WdMainGroupId**

  A link to main group from the wiring diagrams module.

- **Image**

  A link to an image.

- **Unused_Q**

  Unused at the moment.

- **Unused_R**

  Unused at the moment.

- **BgSubGroupId**

  A link to a sub group from the body graphics module.

- **VehicleTreeTypeId**

  A link to a vehicle type from the vehicle tree module.

- **Unused_U**

  Unused at the moment.

- **Unused_V**

  Unused at the moment.

- **WdItemMpId**

  A link to an item mount position from the wiring diagrams module.

- **Unused_X**

  Unused at the moment.

- **ImageLinkId**

A link from an image, currently used for partposition module.

- **Unused_Z**

  Unused at the moment.

15. KindOfModule

15.1. Summary

Enum **KindOfModule**specifies the kind of modules. This enum is used in order to get the correct set of countries in the appropriate method.

15.2. Detailed Module Documentation

15.2.1. Enums

- **Default**

  The default module.

- **Coo**

  The costs of ownership module.

- **CooNew**

  The costs of ownership new module.

- **AD**

  The technical data module

- **BG**

  The graphical selection module

- **LT**

  The labour times module.

- **MD**

  The maintenance data module.

- **DI**

  The diagnostics data module.

- **SOS**

  The SOS data module.

- **TD**

  The tyre data module.

- **TM**

  The technical manuals module.

- **WD**

  The wiring diagram module.

- **CO**

  The component tree module.

- **CooUser**

  The costs of ownership user section module.

- **Ctrl**

  The Control module.

- **IN**

  The invoice data module.

- **VT**

  The vehicle tree module.

- **Info**

  The information data module.

- **Portal**

  The Portal module.

- **FR**

  The fuse and relays module.

- **MP**

  The mount position module.

- **CWD**

  The comfort wiring diagram module.

- **Paint**

  The paint module.

16. Language

16.1. Summary

Language

16.2. Detailed Module Documentation

16.2.1. Properties

- **string Code**

  Gets the code.

  Property-Value

  The code.

- **CultureInfo Culture**

  Gets the culture.

  Property-Value

  The culture.

- **int Id**

Gets the id.

Property-Value

The id.

- **string IetfTag**

Gets the ietf tag.

Property-Value

The ietf tag.

- **string Name**

Gets the name.

Property-Value

The name.

16.2.2. Methods

- **bool Equals(Object obj)**

Determines whether the specified System.Object is equal to this instance.

Parameter

obj - The System.Object to compare with this instance.

Returns

true if the specified System.Object is equal to this instance; otherwise, false.

- **int GetHashCode()**

Returns a hash code for this instance.

Returns

A hash code for this instance, suitable for use in hashing algorithms and data structures like a hash table.

- **string ToString()**

Returns a System.String that represents this instance.

Returns

A System.String that represents this instance.

- **bool Equals(Language other)**

Indicates whether the current object is equal to another object of the same type.

Parameter

other - An object to compare with this object.

Returns

true if the current object is equal to the parameter; otherwise, false.

- **int AuDaLib.Base.Composite.Shared.Data.References.ILanguageReference.get_LanguageId()**

17. Language

17.1. Summary

Class **Language** represents a language in the AuDaLib and contains the important informations like the **id**, **name**, etc.

17.2. Detailed Module Documentation

17.2.1. Properties

- **int IsCompleteFilled**

  Gets or sets a value determining whether all texts are available in this language.

  Property-Value

  The value determining whether the language is complete filled or not.

- **string LanguageCode**

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

  Property-Value

  The language code.

- **int LanguageId**

  Gets or sets the id of the language.

  Property-Value

  The language id.

- **string LanguageName**

  Gets or sets the name of the language.

  Property-Value

  The name of the language.

18. LinkTypeData

18.1. Summary

Class **LinkTypeData** contains the information which character is assigned to an enumeration value of **KindOfLinkTypes**.

18.2. Detailed Module Documentation

18.2.1. Properties

- **KindOfLinkTypes KindOfLink**

  Gets or sets the kind of link.

  Property-Value

  The kind of link.

- **char LinkCharacter**

  Gets or sets the link character.

  Property-Value

  The link character.

19. QualifierCollection

19.1. Summary

Class **QualifierCollection**represents a qualifier collection having a list of separate qualifiers from which the collection is build up. The qualifier collection delivers a further differentiation for an item.

19.2. Detailed Module Documentation

19.2.1. Properties

- **int QualColId**

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- **string QualColText**

  Gets or sets the text of the qualifier collection.

  Property-Value

  The qualifier collection text.

- **List<QualifierData> Qualifiers**

  Gets or sets the collection qualifiers where this qualifier collection is build up.

  Property-Value

  The individual qualifiers.

20. QualifierData

20.1. Summary

Class **QualifierData**represents a single qualifier. Any qualifier collection is build up from such single qualifiers.

20.2. Detailed Module Documentation

20.2.1. Properties

- **int QualifierGroupId**

  Gets or sets the id of the qualifier group.

  Property-Value

  The qualifier group id.

- **string QualifierGroupName**

  Gets or sets the name of the qualifier group.

  Property-Value

  The name of the qualifier group.

- **int QualifierId**

  Gets or sets the id of the qualifier.

  Property-Value

  The qualifier id.

- **string QualifierText**

  Gets or sets the text of the qualifier.

  Property-Value

  The qualifier text.

21. QualifierGroup

21.1. Summary

Class **QualifierGroup**represents a qualifier group. A qualifier group divides the plenty of qualifiers into logical groups like body, engine, air-conditioning system, etc.

21.2. Detailed Module Documentation

21.2.1. Properties

- **int QualifierGroupId**

  Gets or sets the id of the qualifier group.

  Property-Value

  The qualifier group id.

- **string QualifierGroupName**

  Gets or sets the name of the qualifier group.

  Property-Value

  The name of the qualifier group.

22. VersionInfo

22.1. Summary

A version information data.

22.2. Detailed Module Documentation

22.2.1. Properties

- **string BuildNumber**

  Gets or sets the build number.

  Property-Value

  The build number.

- **string DbVersionNumber**

  Gets or sets the db version number.

  Property-Value

  The db version number.

- **string VersionNumber**

  Gets or sets the version number.

  Property-Value

  The version number.