ObiWanLansi

SIGENCE Scenario Tool Library

Inhalt

[SIGENCEScenarioTool.Database.SQLite Namespace 61](#_Toc524875264)

[Classes 61](#_Toc524875265)

[SQLiteHelper Class 62](#_Toc524875266)

[Inheritance Hierarchy 62](#_Toc524875267)

[Syntax 62](#_Toc524875268)

[Methods 62](#_Toc524875269)

[Fields 62](#_Toc524875270)

[See Also 62](#_Toc524875271)

[SQLiteHelper.SQLiteHelper Methods 63](#_Toc524875272)

[Methods 63](#_Toc524875273)

[See Also 63](#_Toc524875274)

[SQLiteHelper.GetDbType Method 64](#_Toc524875275)

[Syntax 64](#_Toc524875276)

[See Also 64](#_Toc524875277)

[SQLiteHelper.GetNativeType Method 65](#_Toc524875278)

[Syntax 65](#_Toc524875279)

[See Also 65](#_Toc524875280)

[SQLiteHelper.GetSQLiteColumn Method 66](#_Toc524875281)

[Syntax 66](#_Toc524875282)

[See Also 66](#_Toc524875283)

[SQLiteHelper.GetSQLiteParameter Method 67](#_Toc524875284)

[Syntax 67](#_Toc524875285)

[See Also 67](#_Toc524875286)

[SQLiteHelper.SQLiteHelper Fields 68](#_Toc524875287)

[Fields 68](#_Toc524875288)

[See Also 68](#_Toc524875289)

[SQLiteHelper.TypeMapping Field 69](#_Toc524875290)

[Syntax 69](#_Toc524875291)

[See Also 69](#_Toc524875292)

[SQLiteMemoryDatabase Class 70](#_Toc524875293)

[Inheritance Hierarchy 70](#_Toc524875294)

[Syntax 70](#_Toc524875295)

[Constructors 70](#_Toc524875296)

[Properties 70](#_Toc524875297)

[Methods 70](#_Toc524875298)

[Operators 71](#_Toc524875299)

[See Also 71](#_Toc524875300)

[SQLiteMemoryDatabase Constructor 72](#_Toc524875301)

[Syntax 72](#_Toc524875302)

[See Also 72](#_Toc524875303)

[SQLiteMemoryDatabase.SQLiteMemoryDatabase Properties 73](#_Toc524875304)

[Properties 73](#_Toc524875305)

[See Also 73](#_Toc524875306)

[SQLiteMemoryDatabase.Connection Property 74](#_Toc524875307)

[Syntax 74](#_Toc524875308)

[See Also 74](#_Toc524875309)

[SQLiteMemoryDatabase.SQLiteMemoryDatabase Methods 75](#_Toc524875310)

[Methods 75](#_Toc524875311)

[See Also 75](#_Toc524875312)

[SQLiteMemoryDatabase.Dispose Method 76](#_Toc524875313)

[Syntax 76](#_Toc524875314)

[See Also 76](#_Toc524875315)

[SQLiteMemoryDatabase.Finalize Method 77](#_Toc524875316)

[Syntax 77](#_Toc524875317)

[See Also 77](#_Toc524875318)

[SQLiteMemoryDatabase.Load Method 78](#_Toc524875319)

[Overload List 78](#_Toc524875320)

[See Also 78](#_Toc524875321)

[SQLiteMemoryDatabase.Load Method (FileInfo) 79](#_Toc524875322)

[Syntax 79](#_Toc524875323)

[See Also 79](#_Toc524875324)

[SQLiteMemoryDatabase.Load Method (String) 80](#_Toc524875325)

[Syntax 80](#_Toc524875326)

[See Also 80](#_Toc524875327)

[SQLiteMemoryDatabase.Save Method 81](#_Toc524875328)

[Overload List 81](#_Toc524875329)

[See Also 81](#_Toc524875330)

[SQLiteMemoryDatabase.Save Method (FileInfo, Boolean, Boolean) 82](#_Toc524875331)

[Syntax 82](#_Toc524875332)

[See Also 82](#_Toc524875333)

[SQLiteMemoryDatabase.Save Method (String, Boolean, Boolean) 83](#_Toc524875334)

[Syntax 83](#_Toc524875335)

[See Also 83](#_Toc524875336)

[SQLiteMemoryDatabase.SQLiteMemoryDatabase Type Conversions 84](#_Toc524875337)

[Operators 84](#_Toc524875338)

[See Also 84](#_Toc524875339)

[SQLiteMemoryDatabase Implicit Conversion (SQLiteMemoryDatabase to SQLiteConnection) 85](#_Toc524875340)

[Syntax 85](#_Toc524875341)

[See Also 85](#_Toc524875342)

[SIGENCEScenarioTool.Datatypes Namespace 86](#_Toc524875343)

[Classes 86](#_Toc524875344)

[DataTypeBase(*T*) Class 87](#_Toc524875345)

[Inheritance Hierarchy 87](#_Toc524875346)

[Syntax 87](#_Toc524875347)

[Constructors 87](#_Toc524875348)

[Properties 87](#_Toc524875349)

[Methods 87](#_Toc524875350)

[Operators 88](#_Toc524875351)

[Fields 88](#_Toc524875352)

[See Also 88](#_Toc524875353)

[DataTypeBase(*T*) Constructor 89](#_Toc524875354)

[Syntax 89](#_Toc524875355)

[See Also 89](#_Toc524875356)

[DataTypeBase(*T*).DataTypeBase(*T*) Properties 90](#_Toc524875357)

[Properties 90](#_Toc524875358)

[See Also 90](#_Toc524875359)

[DataTypeBase(*T*).Value Property 91](#_Toc524875360)

[Syntax 91](#_Toc524875361)

[See Also 91](#_Toc524875362)

[DataTypeBase(*T*).DataTypeBase(*T*) Methods 92](#_Toc524875363)

[Methods 92](#_Toc524875364)

[See Also 92](#_Toc524875365)

[DataTypeBase(*T*).IsValid Method 93](#_Toc524875366)

[Syntax 93](#_Toc524875367)

[Remarks 93](#_Toc524875368)

[See Also 93](#_Toc524875369)

[DataTypeBase(*T*).ToString Method 94](#_Toc524875370)

[Syntax 94](#_Toc524875371)

[See Also 94](#_Toc524875372)

[DataTypeBase(*T*).DataTypeBase(*T*) Type Conversions 95](#_Toc524875373)

[Operators 95](#_Toc524875374)

[See Also 95](#_Toc524875375)

[DataTypeBase(*T*) Implicit Conversion (DataTypeBase(*T*) to *T*) 96](#_Toc524875376)

[Syntax 96](#_Toc524875377)

[See Also 96](#_Toc524875378)

[DataTypeBase(*T*).DataTypeBase(*T*) Fields 97](#_Toc524875379)

[Fields 97](#_Toc524875380)

[See Also 97](#_Toc524875381)

[DataTypeBase(*T*).CULTUREINFO Field 98](#_Toc524875382)

[Syntax 98](#_Toc524875383)

[See Also 98](#_Toc524875384)

[UnitPrefix Class 99](#_Toc524875385)

[Inheritance Hierarchy 99](#_Toc524875386)

[Syntax 99](#_Toc524875387)

[Constructors 99](#_Toc524875388)

[Properties 99](#_Toc524875389)

[Methods 99](#_Toc524875390)

[See Also 99](#_Toc524875391)

[UnitPrefix Constructor 100](#_Toc524875392)

[Syntax 100](#_Toc524875393)

[See Also 100](#_Toc524875394)

[UnitPrefix.UnitPrefix Properties 101](#_Toc524875395)

[Properties 101](#_Toc524875396)

[See Also 101](#_Toc524875397)

[UnitPrefix.Factor Property 102](#_Toc524875398)

[Syntax 102](#_Toc524875399)

[See Also 102](#_Toc524875400)

[UnitPrefix.Name Property 103](#_Toc524875401)

[Syntax 103](#_Toc524875402)

[See Also 103](#_Toc524875403)

[UnitPrefix.Symbol Property 104](#_Toc524875404)

[Syntax 104](#_Toc524875405)

[See Also 104](#_Toc524875406)

[UnitPrefix.UnitPrefix Methods 105](#_Toc524875407)

[Methods 105](#_Toc524875408)

[See Also 105](#_Toc524875409)

[UnitPrefixs Class 106](#_Toc524875410)

[Inheritance Hierarchy 106](#_Toc524875411)

[Syntax 106](#_Toc524875412)

[Constructors 106](#_Toc524875413)

[Methods 106](#_Toc524875414)

[Fields 106](#_Toc524875415)

[See Also 107](#_Toc524875416)

[UnitPrefixs Constructor 108](#_Toc524875417)

[Syntax 108](#_Toc524875418)

[See Also 108](#_Toc524875419)

[UnitPrefixs.UnitPrefixs Methods 109](#_Toc524875420)

[Methods 109](#_Toc524875421)

[See Also 109](#_Toc524875422)

[UnitPrefixs.UnitPrefixs Fields 110](#_Toc524875423)

[Fields 110](#_Toc524875424)

[See Also 110](#_Toc524875425)

[UnitPrefixs.Atto Field 111](#_Toc524875426)

[Syntax 111](#_Toc524875427)

[See Also 111](#_Toc524875428)

[UnitPrefixs.Default Field 112](#_Toc524875429)

[Syntax 112](#_Toc524875430)

[See Also 112](#_Toc524875431)

[UnitPrefixs.Exa Field 113](#_Toc524875432)

[Syntax 113](#_Toc524875433)

[See Also 113](#_Toc524875434)

[UnitPrefixs.Femto Field 114](#_Toc524875435)

[Syntax 114](#_Toc524875436)

[See Also 114](#_Toc524875437)

[UnitPrefixs.Giga Field 115](#_Toc524875438)

[Syntax 115](#_Toc524875439)

[See Also 115](#_Toc524875440)

[UnitPrefixs.Kilo Field 116](#_Toc524875441)

[Syntax 116](#_Toc524875442)

[See Also 116](#_Toc524875443)

[UnitPrefixs.Mega Field 117](#_Toc524875444)

[Syntax 117](#_Toc524875445)

[See Also 117](#_Toc524875446)

[UnitPrefixs.Mikro Field 118](#_Toc524875447)

[Syntax 118](#_Toc524875448)

[See Also 118](#_Toc524875449)

[UnitPrefixs.Milli Field 119](#_Toc524875450)

[Syntax 119](#_Toc524875451)

[See Also 119](#_Toc524875452)

[UnitPrefixs.Nano Field 120](#_Toc524875453)

[Syntax 120](#_Toc524875454)

[See Also 120](#_Toc524875455)

[UnitPrefixs.Peta Field 121](#_Toc524875456)

[Syntax 121](#_Toc524875457)

[See Also 121](#_Toc524875458)

[UnitPrefixs.Piko Field 122](#_Toc524875459)

[Syntax 122](#_Toc524875460)

[See Also 122](#_Toc524875461)

[UnitPrefixs.Tera Field 123](#_Toc524875462)

[Syntax 123](#_Toc524875463)

[See Also 123](#_Toc524875464)

[SIGENCEScenarioTool.Datatypes.Geo Namespace 124](#_Toc524875465)

[Classes 124](#_Toc524875466)

[Altitude Class 125](#_Toc524875467)

[Inheritance Hierarchy 125](#_Toc524875468)

[Syntax 125](#_Toc524875469)

[Constructors 125](#_Toc524875470)

[Properties 125](#_Toc524875471)

[Methods 125](#_Toc524875472)

[Operators 125](#_Toc524875473)

[See Also 125](#_Toc524875474)

[Altitude Constructor 127](#_Toc524875475)

[Syntax 127](#_Toc524875476)

[See Also 127](#_Toc524875477)

[Altitude.Altitude Properties 128](#_Toc524875478)

[Properties 128](#_Toc524875479)

[See Also 128](#_Toc524875480)

[Altitude.Altitude Methods 129](#_Toc524875481)

[Methods 129](#_Toc524875482)

[See Also 129](#_Toc524875483)

[Altitude.IsValid Method 130](#_Toc524875484)

[Syntax 130](#_Toc524875485)

[See Also 130](#_Toc524875486)

[Altitude.Altitude Type Conversions 131](#_Toc524875487)

[Operators 131](#_Toc524875488)

[See Also 131](#_Toc524875489)

[Altitude Implicit Conversion (Int32 to Altitude) 132](#_Toc524875490)

[Syntax 132](#_Toc524875491)

[See Also 132](#_Toc524875492)

[GeoNode Class 133](#_Toc524875493)

[Inheritance Hierarchy 133](#_Toc524875494)

[Syntax 133](#_Toc524875495)

[Constructors 133](#_Toc524875496)

[Properties 133](#_Toc524875497)

[Methods 133](#_Toc524875498)

[See Also 133](#_Toc524875499)

[GeoNode Constructor 135](#_Toc524875500)

[Syntax 135](#_Toc524875501)

[See Also 135](#_Toc524875502)

[GeoNode.GeoNode Properties 136](#_Toc524875503)

[Properties 136](#_Toc524875504)

[See Also 136](#_Toc524875505)

[GeoNode.Latitude Property 137](#_Toc524875506)

[Syntax 137](#_Toc524875507)

[See Also 137](#_Toc524875508)

[GeoNode.Longitude Property 138](#_Toc524875509)

[Syntax 138](#_Toc524875510)

[See Also 138](#_Toc524875511)

[GeoNode.Name Property 139](#_Toc524875512)

[Syntax 139](#_Toc524875513)

[See Also 139](#_Toc524875514)

[GeoNode.NodeId Property 140](#_Toc524875515)

[Syntax 140](#_Toc524875516)

[See Also 140](#_Toc524875517)

[GeoNode.Position Property 141](#_Toc524875518)

[Syntax 141](#_Toc524875519)

[See Also 141](#_Toc524875520)

[GeoNode.Tag Property 142](#_Toc524875521)

[Syntax 142](#_Toc524875522)

[See Also 142](#_Toc524875523)

[GeoNode.Value Property 143](#_Toc524875524)

[Syntax 143](#_Toc524875525)

[See Also 143](#_Toc524875526)

[GeoNode.GeoNode Methods 144](#_Toc524875527)

[Methods 144](#_Toc524875528)

[See Also 144](#_Toc524875529)

[GeoNodeCollection Class 145](#_Toc524875530)

[Inheritance Hierarchy 145](#_Toc524875531)

[Syntax 145](#_Toc524875532)

[Properties 145](#_Toc524875533)

[Methods 145](#_Toc524875534)

[Events 146](#_Toc524875535)

[See Also 146](#_Toc524875536)

[GeoNodeCollection.GeoNodeCollection Properties 147](#_Toc524875537)

[Properties 147](#_Toc524875538)

[See Also 147](#_Toc524875539)

[GeoNodeCollection.GeoNodeCollection Methods 148](#_Toc524875540)

[Methods 148](#_Toc524875541)

[See Also 148](#_Toc524875542)

[GeoNodeCollection.GetCollection Method 149](#_Toc524875543)

[Syntax 149](#_Toc524875544)

[Exceptions 149](#_Toc524875545)

[See Also 149](#_Toc524875546)

[GeoNodeCollection.GeoNodeCollection Events 150](#_Toc524875547)

[Events 150](#_Toc524875548)

[See Also 150](#_Toc524875549)

[Latitude Class 151](#_Toc524875550)

[Inheritance Hierarchy 151](#_Toc524875551)

[Syntax 151](#_Toc524875552)

[Constructors 151](#_Toc524875553)

[Properties 151](#_Toc524875554)

[Methods 151](#_Toc524875555)

[Operators 151](#_Toc524875556)

[See Also 151](#_Toc524875557)

[Latitude Constructor 153](#_Toc524875558)

[Syntax 153](#_Toc524875559)

[See Also 153](#_Toc524875560)

[Latitude.Latitude Properties 154](#_Toc524875561)

[Properties 154](#_Toc524875562)

[See Also 154](#_Toc524875563)

[Latitude.Latitude Methods 155](#_Toc524875564)

[Methods 155](#_Toc524875565)

[See Also 155](#_Toc524875566)

[Latitude.IsValid Method 156](#_Toc524875567)

[Syntax 156](#_Toc524875568)

[See Also 156](#_Toc524875569)

[Latitude.ToString Method 157](#_Toc524875570)

[Syntax 157](#_Toc524875571)

[See Also 157](#_Toc524875572)

[Latitude.Latitude Type Conversions 158](#_Toc524875573)

[Operators 158](#_Toc524875574)

[See Also 158](#_Toc524875575)

[Latitude Implicit Conversion (Double to Latitude) 159](#_Toc524875576)

[Syntax 159](#_Toc524875577)

[See Also 159](#_Toc524875578)

[Longitude Class 160](#_Toc524875579)

[Inheritance Hierarchy 160](#_Toc524875580)

[Syntax 160](#_Toc524875581)

[Constructors 160](#_Toc524875582)

[Properties 160](#_Toc524875583)

[Methods 160](#_Toc524875584)

[Operators 160](#_Toc524875585)

[See Also 160](#_Toc524875586)

[Longitude Constructor 162](#_Toc524875587)

[Syntax 162](#_Toc524875588)

[See Also 162](#_Toc524875589)

[Longitude.Longitude Properties 163](#_Toc524875590)

[Properties 163](#_Toc524875591)

[See Also 163](#_Toc524875592)

[Longitude.Longitude Methods 164](#_Toc524875593)

[Methods 164](#_Toc524875594)

[See Also 164](#_Toc524875595)

[Longitude.IsValid Method 165](#_Toc524875596)

[Syntax 165](#_Toc524875597)

[See Also 165](#_Toc524875598)

[Longitude.ToString Method 166](#_Toc524875599)

[Syntax 166](#_Toc524875600)

[See Also 166](#_Toc524875601)

[Longitude.Longitude Type Conversions 167](#_Toc524875602)

[Operators 167](#_Toc524875603)

[See Also 167](#_Toc524875604)

[Longitude Implicit Conversion (Double to Longitude) 168](#_Toc524875605)

[Syntax 168](#_Toc524875606)

[See Also 168](#_Toc524875607)

[SIGENCEScenarioTool.Datatypes.Observable Namespace 169](#_Toc524875608)

[Classes 169](#_Toc524875609)

[ObservableStringCollection Class 170](#_Toc524875610)

[Inheritance Hierarchy 170](#_Toc524875611)

[Syntax 170](#_Toc524875612)

[Constructors 170](#_Toc524875613)

[Properties 170](#_Toc524875614)

[Methods 170](#_Toc524875615)

[Events 171](#_Toc524875616)

[See Also 171](#_Toc524875617)

[ObservableStringCollection Constructor 172](#_Toc524875618)

[Syntax 172](#_Toc524875619)

[See Also 172](#_Toc524875620)

[ObservableStringCollection.ObservableStringCollection Properties 173](#_Toc524875621)

[Properties 173](#_Toc524875622)

[See Also 173](#_Toc524875623)

[ObservableStringCollection.ObservableStringCollection Methods 174](#_Toc524875624)

[Methods 174](#_Toc524875625)

[See Also 174](#_Toc524875626)

[ObservableStringCollection.ObservableStringCollection Events 175](#_Toc524875627)

[Events 175](#_Toc524875628)

[See Also 175](#_Toc524875629)

[SIGENCEScenarioTool.Datatypes.Physically Namespace 176](#_Toc524875630)

[Classes 176](#_Toc524875631)

[Bandwidth Class 177](#_Toc524875632)

[Inheritance Hierarchy 177](#_Toc524875633)

[Syntax 177](#_Toc524875634)

[Constructors 177](#_Toc524875635)

[Properties 177](#_Toc524875636)

[Methods 177](#_Toc524875637)

[Operators 177](#_Toc524875638)

[See Also 177](#_Toc524875639)

[Bandwidth Constructor 179](#_Toc524875640)

[Syntax 179](#_Toc524875641)

[See Also 179](#_Toc524875642)

[Bandwidth.Bandwidth Properties 180](#_Toc524875643)

[Properties 180](#_Toc524875644)

[See Also 180](#_Toc524875645)

[Bandwidth.Bandwidth Methods 181](#_Toc524875646)

[Methods 181](#_Toc524875647)

[See Also 181](#_Toc524875648)

[Bandwidth.IsValid Method 182](#_Toc524875649)

[Syntax 182](#_Toc524875650)

[See Also 182](#_Toc524875651)

[Bandwidth.ToString Method 183](#_Toc524875652)

[Syntax 183](#_Toc524875653)

[See Also 183](#_Toc524875654)

[Bandwidth.Bandwidth Type Conversions 184](#_Toc524875655)

[Operators 184](#_Toc524875656)

[See Also 184](#_Toc524875657)

[Bandwidth Implicit Conversion (Double to Bandwidth) 185](#_Toc524875658)

[Syntax 185](#_Toc524875659)

[See Also 185](#_Toc524875660)

[Frequency Class 186](#_Toc524875661)

[Inheritance Hierarchy 186](#_Toc524875662)

[Syntax 186](#_Toc524875663)

[Constructors 186](#_Toc524875664)

[Properties 186](#_Toc524875665)

[Methods 186](#_Toc524875666)

[Operators 186](#_Toc524875667)

[See Also 186](#_Toc524875668)

[Frequency Constructor 188](#_Toc524875669)

[Syntax 188](#_Toc524875670)

[See Also 188](#_Toc524875671)

[Frequency.Frequency Properties 189](#_Toc524875672)

[Properties 189](#_Toc524875673)

[See Also 189](#_Toc524875674)

[Frequency.Frequency Methods 190](#_Toc524875675)

[Methods 190](#_Toc524875676)

[See Also 190](#_Toc524875677)

[Frequency.IsValid Method 191](#_Toc524875678)

[Syntax 191](#_Toc524875679)

[See Also 191](#_Toc524875680)

[Frequency.ToString Method 192](#_Toc524875681)

[Syntax 192](#_Toc524875682)

[See Also 192](#_Toc524875683)

[Frequency.Frequency Type Conversions 193](#_Toc524875684)

[Operators 193](#_Toc524875685)

[See Also 193](#_Toc524875686)

[Frequency Implicit Conversion (Double to Frequency) 194](#_Toc524875687)

[Syntax 194](#_Toc524875688)

[See Also 194](#_Toc524875689)

[Gain Class 195](#_Toc524875690)

[Inheritance Hierarchy 195](#_Toc524875691)

[Syntax 195](#_Toc524875692)

[Constructors 195](#_Toc524875693)

[Properties 195](#_Toc524875694)

[Methods 195](#_Toc524875695)

[Operators 195](#_Toc524875696)

[See Also 195](#_Toc524875697)

[Gain Constructor 197](#_Toc524875698)

[Syntax 197](#_Toc524875699)

[See Also 197](#_Toc524875700)

[Gain.Gain Properties 198](#_Toc524875701)

[Properties 198](#_Toc524875702)

[See Also 198](#_Toc524875703)

[Gain.Gain Methods 199](#_Toc524875704)

[Methods 199](#_Toc524875705)

[See Also 199](#_Toc524875706)

[Gain.IsValid Method 200](#_Toc524875707)

[Syntax 200](#_Toc524875708)

[See Also 200](#_Toc524875709)

[Gain.ToString Method 201](#_Toc524875710)

[Syntax 201](#_Toc524875711)

[See Also 201](#_Toc524875712)

[Gain.Gain Type Conversions 202](#_Toc524875713)

[Operators 202](#_Toc524875714)

[See Also 202](#_Toc524875715)

[Gain Implicit Conversion (Double to Gain) 203](#_Toc524875716)

[Syntax 203](#_Toc524875717)

[See Also 203](#_Toc524875718)

[SignalToNoiseRatio Class 204](#_Toc524875719)

[Inheritance Hierarchy 204](#_Toc524875720)

[Syntax 204](#_Toc524875721)

[Constructors 204](#_Toc524875722)

[Properties 204](#_Toc524875723)

[Methods 204](#_Toc524875724)

[Operators 204](#_Toc524875725)

[See Also 205](#_Toc524875726)

[SignalToNoiseRatio Constructor 206](#_Toc524875727)

[Syntax 206](#_Toc524875728)

[See Also 206](#_Toc524875729)

[SignalToNoiseRatio.SignalToNoiseRatio Properties 207](#_Toc524875730)

[Properties 207](#_Toc524875731)

[See Also 207](#_Toc524875732)

[SignalToNoiseRatio.SignalToNoiseRatio Methods 208](#_Toc524875733)

[Methods 208](#_Toc524875734)

[See Also 208](#_Toc524875735)

[SignalToNoiseRatio.IsValid Method 209](#_Toc524875736)

[Syntax 209](#_Toc524875737)

[See Also 209](#_Toc524875738)

[SignalToNoiseRatio.ToString Method 210](#_Toc524875739)

[Syntax 210](#_Toc524875740)

[See Also 210](#_Toc524875741)

[SignalToNoiseRatio.SignalToNoiseRatio Type Conversions 211](#_Toc524875742)

[Operators 211](#_Toc524875743)

[See Also 211](#_Toc524875744)

[SignalToNoiseRatio Implicit Conversion (Double to SignalToNoiseRatio) 212](#_Toc524875745)

[Syntax 212](#_Toc524875746)

[See Also 212](#_Toc524875747)

[SIGENCEScenarioTool.Datatypes.Standard Namespace 213](#_Toc524875748)

[Classes 213](#_Toc524875749)

[IntegerList Class 214](#_Toc524875750)

[Inheritance Hierarchy 214](#_Toc524875751)

[Syntax 214](#_Toc524875752)

[Constructors 214](#_Toc524875753)

[Properties 214](#_Toc524875754)

[Methods 214](#_Toc524875755)

[Operators 218](#_Toc524875756)

[Extension Methods 218](#_Toc524875757)

[See Also 218](#_Toc524875758)

[IntegerList Constructor 219](#_Toc524875759)

[Overload List 219](#_Toc524875760)

[See Also 219](#_Toc524875761)

[IntegerList Constructor 220](#_Toc524875762)

[Syntax 220](#_Toc524875763)

[See Also 220](#_Toc524875764)

[IntegerList Constructor (IEnumerable(Int32)) 221](#_Toc524875765)

[Syntax 221](#_Toc524875766)

[See Also 221](#_Toc524875767)

[IntegerList Constructor (Int32) 222](#_Toc524875768)

[Syntax 222](#_Toc524875769)

[See Also 222](#_Toc524875770)

[IntegerList.IntegerList Properties 223](#_Toc524875771)

[Properties 223](#_Toc524875772)

[See Also 223](#_Toc524875773)

[IntegerList.IntegerList Methods 224](#_Toc524875774)

[Methods 224](#_Toc524875775)

[Extension Methods 227](#_Toc524875776)

[See Also 227](#_Toc524875777)

[IntegerList.IntegerList Operators 228](#_Toc524875778)

[Operators 228](#_Toc524875779)

[See Also 228](#_Toc524875780)

[IntegerList.Multiply Operator 229](#_Toc524875781)

[Syntax 229](#_Toc524875782)

[See Also 229](#_Toc524875783)

[StringList Class 230](#_Toc524875784)

[Inheritance Hierarchy 230](#_Toc524875785)

[Syntax 230](#_Toc524875786)

[Constructors 230](#_Toc524875787)

[Properties 230](#_Toc524875788)

[Methods 230](#_Toc524875789)

[Operators 234](#_Toc524875790)

[Extension Methods 234](#_Toc524875791)

[See Also 234](#_Toc524875792)

[StringList Constructor 235](#_Toc524875793)

[Overload List 235](#_Toc524875794)

[See Also 235](#_Toc524875795)

[StringList Constructor 236](#_Toc524875796)

[Syntax 236](#_Toc524875797)

[See Also 236](#_Toc524875798)

[StringList Constructor (IEnumerable(String)) 237](#_Toc524875799)

[Syntax 237](#_Toc524875800)

[See Also 237](#_Toc524875801)

[StringList Constructor (Int32) 238](#_Toc524875802)

[Syntax 238](#_Toc524875803)

[See Also 238](#_Toc524875804)

[StringList Constructor (String[]) 239](#_Toc524875805)

[Syntax 239](#_Toc524875806)

[See Also 239](#_Toc524875807)

[StringList.StringList Properties 240](#_Toc524875808)

[Properties 240](#_Toc524875809)

[See Also 240](#_Toc524875810)

[StringList.StringList Methods 241](#_Toc524875811)

[Methods 241](#_Toc524875812)

[Extension Methods 244](#_Toc524875813)

[See Also 244](#_Toc524875814)

[StringList.StringList Type Conversions 245](#_Toc524875815)

[Operators 245](#_Toc524875816)

[See Also 245](#_Toc524875817)

[StringList Implicit Conversion (StringList to String[]) 246](#_Toc524875818)

[Syntax 246](#_Toc524875819)

[See Also 246](#_Toc524875820)

[SIGENCEScenarioTool.Extensions Namespace 247](#_Toc524875821)

[Classes 247](#_Toc524875822)

[ColorExtension Class 248](#_Toc524875823)

[Inheritance Hierarchy 248](#_Toc524875824)

[Syntax 248](#_Toc524875825)

[Methods 248](#_Toc524875826)

[See Also 248](#_Toc524875827)

[ColorExtension.ColorExtension Methods 249](#_Toc524875828)

[Methods 249](#_Toc524875829)

[See Also 249](#_Toc524875830)

[ColorExtension.WithAlpha Method 250](#_Toc524875831)

[Syntax 250](#_Toc524875832)

[See Also 250](#_Toc524875833)

[DateTimeExtension Class 251](#_Toc524875834)

[Inheritance Hierarchy 251](#_Toc524875835)

[Syntax 251](#_Toc524875836)

[Methods 251](#_Toc524875837)

[See Also 251](#_Toc524875838)

[DateTimeExtension.DateTimeExtension Methods 252](#_Toc524875839)

[Methods 252](#_Toc524875840)

[See Also 252](#_Toc524875841)

[DateTimeExtension.DaysInMonth Method 253](#_Toc524875842)

[Syntax 253](#_Toc524875843)

[See Also 253](#_Toc524875844)

[DateTimeExtension.Fmt\_DD\_MM\_YYYY Method 254](#_Toc524875845)

[Syntax 254](#_Toc524875846)

[See Also 254](#_Toc524875847)

[DateTimeExtension.Fmt\_DD\_MM\_YYYY\_HH\_MM Method 255](#_Toc524875848)

[Syntax 255](#_Toc524875849)

[See Also 255](#_Toc524875850)

[DateTimeExtension.Fmt\_DD\_MM\_YYYY\_HH\_MM\_SS Method 256](#_Toc524875851)

[Syntax 256](#_Toc524875852)

[See Also 256](#_Toc524875853)

[DateTimeExtension.Fmt\_HH\_MM\_SS Method 257](#_Toc524875854)

[Syntax 257](#_Toc524875855)

[See Also 257](#_Toc524875856)

[DateTimeExtension.Fmt\_YYYYMMDD Method 258](#_Toc524875857)

[Syntax 258](#_Toc524875858)

[See Also 258](#_Toc524875859)

[DateTimeExtension.Fmt\_YYYYMMDD\_HHMMSS Method 259](#_Toc524875860)

[Syntax 259](#_Toc524875861)

[See Also 259](#_Toc524875862)

[DateTimeExtension.Fmt\_YYYYMMDD\_HHMMSSFFF Method 260](#_Toc524875863)

[Syntax 260](#_Toc524875864)

[See Also 260](#_Toc524875865)

[DateTimeExtension.Fmt\_YYYYMMDDHHMMSS Method 261](#_Toc524875866)

[Syntax 261](#_Toc524875867)

[See Also 261](#_Toc524875868)

[DbCommandExtension Class 262](#_Toc524875869)

[Inheritance Hierarchy 262](#_Toc524875870)

[Syntax 262](#_Toc524875871)

[Methods 262](#_Toc524875872)

[See Also 262](#_Toc524875873)

[DbCommandExtension.DbCommandExtension Methods 263](#_Toc524875874)

[Methods 263](#_Toc524875875)

[See Also 263](#_Toc524875876)

[DbCommandExtension.ResetParameters Method 264](#_Toc524875877)

[Syntax 264](#_Toc524875878)

[See Also 264](#_Toc524875879)

[DbCommandExtension.SetNullableParamter Method 265](#_Toc524875880)

[Overload List 265](#_Toc524875881)

[See Also 265](#_Toc524875882)

[DbCommandExtension.SetNullableParamter Method (DbCommand, Int32, Object) 266](#_Toc524875883)

[Syntax 266](#_Toc524875884)

[See Also 266](#_Toc524875885)

[DbCommandExtension.SetNullableParamter Method (DbCommand, String, Object) 267](#_Toc524875886)

[Syntax 267](#_Toc524875887)

[See Also 267](#_Toc524875888)

[DictionaryExtension Class 268](#_Toc524875889)

[Inheritance Hierarchy 268](#_Toc524875890)

[Syntax 268](#_Toc524875891)

[Methods 268](#_Toc524875892)

[See Also 268](#_Toc524875893)

[DictionaryExtension.DictionaryExtension Methods 269](#_Toc524875894)

[Methods 269](#_Toc524875895)

[See Also 269](#_Toc524875896)

[DictionaryExtension.ForEach Method 270](#_Toc524875897)

[Overload List 270](#_Toc524875898)

[See Also 270](#_Toc524875899)

[DictionaryExtension.ForEach(*TKey*, *TValue*) Method (Dictionary(*TKey*, *TValue*), Action(*TKey*, *TValue*)) 271](#_Toc524875900)

[Syntax 271](#_Toc524875901)

[See Also 271](#_Toc524875902)

[DictionaryExtension.ForEach(*TKey*, *TValue*) Method (SortedDictionary(*TKey*, *TValue*), Action(*TKey*, *TValue*)) 272](#_Toc524875903)

[Syntax 272](#_Toc524875904)

[See Also 272](#_Toc524875905)

[DictionaryExtension.ToString(*TKey*, *TValue*) Method 273](#_Toc524875906)

[Syntax 273](#_Toc524875907)

[See Also 273](#_Toc524875908)

[FileInfoExtension Class 274](#_Toc524875909)

[Inheritance Hierarchy 274](#_Toc524875910)

[Syntax 274](#_Toc524875911)

[Methods 274](#_Toc524875912)

[See Also 274](#_Toc524875913)

[FileInfoExtension.FileInfoExtension Methods 275](#_Toc524875914)

[Methods 275](#_Toc524875915)

[See Also 275](#_Toc524875916)

[FileInfoExtension.CopyTo Method 276](#_Toc524875917)

[Overload List 276](#_Toc524875918)

[See Also 276](#_Toc524875919)

[FileInfoExtension.CopyTo Method (FileInfo, DirectoryInfo) 277](#_Toc524875920)

[Syntax 277](#_Toc524875921)

[See Also 277](#_Toc524875922)

[FileInfoExtension.CopyTo Method (FileInfo, DirectoryInfo, Boolean) 278](#_Toc524875923)

[Syntax 278](#_Toc524875924)

[See Also 278](#_Toc524875925)

[FileInfoExtension.GetFilenameWithoutExtension Method 279](#_Toc524875926)

[Syntax 279](#_Toc524875927)

[See Also 279](#_Toc524875928)

[FileInfoExtension.GetFileSize Method 280](#_Toc524875929)

[Syntax 280](#_Toc524875930)

[See Also 280](#_Toc524875931)

[FileInfoExtension.MoveTo Method 281](#_Toc524875932)

[Syntax 281](#_Toc524875933)

[See Also 281](#_Toc524875934)

[IDataReaderExtension Class 282](#_Toc524875935)

[Inheritance Hierarchy 282](#_Toc524875936)

[Syntax 282](#_Toc524875937)

[Methods 282](#_Toc524875938)

[See Also 282](#_Toc524875939)

[IDataReaderExtension.IDataReaderExtension Methods 283](#_Toc524875940)

[Methods 283](#_Toc524875941)

[See Also 283](#_Toc524875942)

[IDataReaderExtension.GetDateTimeOrNull Method 284](#_Toc524875943)

[Syntax 284](#_Toc524875944)

[See Also 284](#_Toc524875945)

[IDataReaderExtension.GetGeometryFromWKB Method 285](#_Toc524875946)

[Syntax 285](#_Toc524875947)

[See Also 285](#_Toc524875948)

[IDataReaderExtension.GetInt32OrNull Method 286](#_Toc524875949)

[Syntax 286](#_Toc524875950)

[See Also 286](#_Toc524875951)

[IDataReaderExtension.GetInt64OrNull Method 287](#_Toc524875952)

[Syntax 287](#_Toc524875953)

[See Also 287](#_Toc524875954)

[IDataReaderExtension.GetLineStringFromWKB Method 288](#_Toc524875955)

[Syntax 288](#_Toc524875956)

[See Also 288](#_Toc524875957)

[IDataReaderExtension.GetMultiPolygonFromWKB Method 289](#_Toc524875958)

[Syntax 289](#_Toc524875959)

[See Also 289](#_Toc524875960)

[IDataReaderExtension.GetPointFromWKB Method 290](#_Toc524875961)

[Syntax 290](#_Toc524875962)

[See Also 290](#_Toc524875963)

[IDataReaderExtension.GetPolygonFromWKB Method 291](#_Toc524875964)

[Syntax 291](#_Toc524875965)

[See Also 291](#_Toc524875966)

[IDataReaderExtension.GetStringOrNull Method 292](#_Toc524875967)

[Syntax 292](#_Toc524875968)

[See Also 292](#_Toc524875969)

[IDbConnectionExtension Class 293](#_Toc524875970)

[Inheritance Hierarchy 293](#_Toc524875971)

[Syntax 293](#_Toc524875972)

[Methods 293](#_Toc524875973)

[See Also 294](#_Toc524875974)

[IDbConnectionExtension.IDbConnectionExtension Methods 295](#_Toc524875975)

[Methods 295](#_Toc524875976)

[See Also 295](#_Toc524875977)

[IDbConnectionExtension.CloseIfOpen Method 296](#_Toc524875978)

[Syntax 296](#_Toc524875979)

[See Also 296](#_Toc524875980)

[IDbConnectionExtension.ExecuteNonQuery Method 297](#_Toc524875981)

[Overload List 297](#_Toc524875982)

[See Also 297](#_Toc524875983)

[IDbConnectionExtension.ExecuteNonQuery Method (IDbConnection, String, Object[]) 298](#_Toc524875984)

[Syntax 298](#_Toc524875985)

[See Also 298](#_Toc524875986)

[IDbConnectionExtension.ExecuteNonQuery Method (IDbConnection, Int32, Boolean, String, Object[]) 299](#_Toc524875987)

[Syntax 299](#_Toc524875988)

[See Also 300](#_Toc524875989)

[IDbConnectionExtension.ExecuteScalar Method 301](#_Toc524875990)

[Overload List 301](#_Toc524875991)

[See Also 301](#_Toc524875992)

[IDbConnectionExtension.ExecuteScalar Method (IDbConnection, String, Object[]) 302](#_Toc524875993)

[Syntax 302](#_Toc524875994)

[See Also 302](#_Toc524875995)

[IDbConnectionExtension.ExecuteScalar Method (IDbConnection, Int32, String, Object[]) 303](#_Toc524875996)

[Syntax 303](#_Toc524875997)

[See Also 303](#_Toc524875998)

[IDbConnectionExtension.GetDictionary(*T1*, *T2*) Method 304](#_Toc524875999)

[Syntax 304](#_Toc524876000)

[See Also 304](#_Toc524876001)

[IDbConnectionExtension.GetSortedDictionary(*T1*, *T2*) Method 305](#_Toc524876002)

[Syntax 305](#_Toc524876003)

[See Also 305](#_Toc524876004)

[IDbConnectionExtension.SaveAsCSV Method 306](#_Toc524876005)

[Syntax 306](#_Toc524876006)

[See Also 306](#_Toc524876007)

[IDbConnectionExtension.Select Method 307](#_Toc524876008)

[Overload List 307](#_Toc524876009)

[See Also 307](#_Toc524876010)

[IDbConnectionExtension.Select Method (IDbConnection, String) 308](#_Toc524876011)

[Syntax 308](#_Toc524876012)

[See Also 308](#_Toc524876013)

[IDbConnectionExtension.Select Method (IDbConnection, String, Object[]) 309](#_Toc524876014)

[Syntax 309](#_Toc524876015)

[See Also 309](#_Toc524876016)

[IDbConnectionExtension.SelectAsDataTable Method 310](#_Toc524876017)

[Syntax 310](#_Toc524876018)

[See Also 310](#_Toc524876019)

[ListExtension Class 311](#_Toc524876020)

[Inheritance Hierarchy 311](#_Toc524876021)

[Syntax 311](#_Toc524876022)

[Methods 311](#_Toc524876023)

[See Also 311](#_Toc524876024)

[ListExtension.ListExtension Methods 312](#_Toc524876025)

[Methods 312](#_Toc524876026)

[See Also 312](#_Toc524876027)

[ListExtension.SaveAsCsv(*T*) Method 313](#_Toc524876028)

[Syntax 313](#_Toc524876029)

[Exceptions 313](#_Toc524876030)

[See Also 313](#_Toc524876031)

[ListExtension.SaveAsXml(*T*) Method 314](#_Toc524876032)

[Syntax 314](#_Toc524876033)

[See Also 314](#_Toc524876034)

[RandomExtension Class 315](#_Toc524876035)

[Inheritance Hierarchy 315](#_Toc524876036)

[Syntax 315](#_Toc524876037)

[Methods 315](#_Toc524876038)

[See Also 316](#_Toc524876039)

[RandomExtension.RandomExtension Methods 317](#_Toc524876040)

[Methods 317](#_Toc524876041)

[See Also 317](#_Toc524876042)

[RandomExtension.NextAutoKennzeichen Method 318](#_Toc524876043)

[Syntax 318](#_Toc524876044)

[See Also 318](#_Toc524876045)

[RandomExtension.NextBool Method 319](#_Toc524876046)

[Syntax 319](#_Toc524876047)

[See Also 319](#_Toc524876048)

[RandomExtension.NextColor Method 320](#_Toc524876049)

[Syntax 320](#_Toc524876050)

[See Also 320](#_Toc524876051)

[RandomExtension.NextDateTime Method 321](#_Toc524876052)

[Overload List 321](#_Toc524876053)

[See Also 321](#_Toc524876054)

[RandomExtension.NextDateTime Method (Random, DateTimeKind) 322](#_Toc524876055)

[Syntax 322](#_Toc524876056)

[See Also 322](#_Toc524876057)

[RandomExtension.NextDateTime Method (Random, DateTime, DateTime, DateTimeKind) 323](#_Toc524876058)

[Syntax 323](#_Toc524876059)

[See Also 323](#_Toc524876060)

[RandomExtension.NextEnum Method 324](#_Toc524876061)

[Overload List 324](#_Toc524876062)

[See Also 324](#_Toc524876063)

[RandomExtension.NextEnum(*T*) Method (Random) 325](#_Toc524876064)

[Syntax 325](#_Toc524876065)

[See Also 325](#_Toc524876066)

[RandomExtension.NextEnum Method (Random, Type) 326](#_Toc524876067)

[Syntax 326](#_Toc524876068)

[See Also 326](#_Toc524876069)

[RandomExtension.NextInt Method 327](#_Toc524876070)

[Syntax 327](#_Toc524876071)

[See Also 327](#_Toc524876072)

[RandomExtension.NextLong Method 328](#_Toc524876073)

[Syntax 328](#_Toc524876074)

[See Also 328](#_Toc524876075)

[RandomExtension.NextObject Method 329](#_Toc524876076)

[Overload List 329](#_Toc524876077)

[See Also 329](#_Toc524876078)

[RandomExtension.NextObject(*T*) Method (Random, ICollection(*T*)) 330](#_Toc524876079)

[Syntax 330](#_Toc524876080)

[See Also 330](#_Toc524876081)

[RandomExtension.NextObject(*T*) Method (Random, IList(*T*)) 331](#_Toc524876082)

[Syntax 331](#_Toc524876083)

[See Also 331](#_Toc524876084)

[RandomExtension.NextSalt Method 332](#_Toc524876085)

[Syntax 332](#_Toc524876086)

[See Also 332](#_Toc524876087)

[RandomExtension.NextString Method 333](#_Toc524876088)

[Syntax 333](#_Toc524876089)

[See Also 333](#_Toc524876090)

[RandomExtension.NextUInt Method 334](#_Toc524876091)

[Syntax 334](#_Toc524876092)

[See Also 334](#_Toc524876093)

[RandomExtension.NextULong Method 335](#_Toc524876094)

[Syntax 335](#_Toc524876095)

[See Also 335](#_Toc524876096)

[SQLiteExtension Class 336](#_Toc524876097)

[Inheritance Hierarchy 336](#_Toc524876098)

[Syntax 336](#_Toc524876099)

[Methods 336](#_Toc524876100)

[See Also 336](#_Toc524876101)

[SQLiteExtension.SQLiteExtension Methods 337](#_Toc524876102)

[Methods 337](#_Toc524876103)

[See Also 337](#_Toc524876104)

[SQLiteExtension.Analyze Method 338](#_Toc524876105)

[Syntax 338](#_Toc524876106)

[See Also 338](#_Toc524876107)

[SQLiteExtension.DropTable Method 339](#_Toc524876108)

[Syntax 339](#_Toc524876109)

[See Also 339](#_Toc524876110)

[SQLiteExtension.GetLastPrimarykey Method 340](#_Toc524876111)

[Syntax 340](#_Toc524876112)

[See Also 340](#_Toc524876113)

[SQLiteExtension.GetTableNames Method 341](#_Toc524876114)

[Syntax 341](#_Toc524876115)

[See Also 341](#_Toc524876116)

[SQLiteExtension.GetViewNames Method 342](#_Toc524876117)

[Syntax 342](#_Toc524876118)

[See Also 342](#_Toc524876119)

[SQLiteExtension.PrepareInsertStatement Method 343](#_Toc524876120)

[Syntax 343](#_Toc524876121)

[See Also 343](#_Toc524876122)

[SQLiteExtension.Reindex Method 344](#_Toc524876123)

[Syntax 344](#_Toc524876124)

[See Also 344](#_Toc524876125)

[SQLiteExtension.TableExists Method 345](#_Toc524876126)

[Syntax 345](#_Toc524876127)

[See Also 345](#_Toc524876128)

[SQLiteExtension.Truncate Method 346](#_Toc524876129)

[Syntax 346](#_Toc524876130)

[See Also 346](#_Toc524876131)

[SQLiteExtension.Vacuum Method 347](#_Toc524876132)

[Syntax 347](#_Toc524876133)

[See Also 347](#_Toc524876134)

[StringBuilderExtension Class 348](#_Toc524876135)

[Inheritance Hierarchy 348](#_Toc524876136)

[Syntax 348](#_Toc524876137)

[Methods 348](#_Toc524876138)

[See Also 348](#_Toc524876139)

[StringBuilderExtension.StringBuilderExtension Methods 349](#_Toc524876140)

[Methods 349](#_Toc524876141)

[See Also 349](#_Toc524876142)

[StringBuilderExtension.AppendLine Method 350](#_Toc524876143)

[Syntax 350](#_Toc524876144)

[See Also 350](#_Toc524876145)

[StringExtension Class 351](#_Toc524876146)

[Inheritance Hierarchy 351](#_Toc524876147)

[Syntax 351](#_Toc524876148)

[Methods 351](#_Toc524876149)

[See Also 351](#_Toc524876150)

[StringExtension.StringExtension Methods 352](#_Toc524876151)

[Methods 352](#_Toc524876152)

[See Also 352](#_Toc524876153)

[StringExtension.Capitalize Method 353](#_Toc524876154)

[Syntax 353](#_Toc524876155)

[See Also 353](#_Toc524876156)

[StringExtension.CapitalizeOnlyFirstLetter Method 354](#_Toc524876157)

[Syntax 354](#_Toc524876158)

[See Also 354](#_Toc524876159)

[StringExtension.EqualsIgnoreCase Method 355](#_Toc524876160)

[Syntax 355](#_Toc524876161)

[See Also 355](#_Toc524876162)

[StringExtension.IsEmpty Method 356](#_Toc524876163)

[Syntax 356](#_Toc524876164)

[See Also 356](#_Toc524876165)

[StringExtension.IsNotEmpty Method 357](#_Toc524876166)

[Syntax 357](#_Toc524876167)

[See Also 357](#_Toc524876168)

[StringExtension.RemoveQuotation Method 358](#_Toc524876169)

[Syntax 358](#_Toc524876170)

[See Also 358](#_Toc524876171)

[StringExtension.ReplaceHtml Method 359](#_Toc524876172)

[Syntax 359](#_Toc524876173)

[See Also 359](#_Toc524876174)

[StringExtension.ToColor Method 360](#_Toc524876175)

[Syntax 360](#_Toc524876176)

[Remarks 360](#_Toc524876177)

[See Also 360](#_Toc524876178)

[TimeSpanExtension Class 361](#_Toc524876179)

[Inheritance Hierarchy 361](#_Toc524876180)

[Syntax 361](#_Toc524876181)

[Methods 361](#_Toc524876182)

[See Also 361](#_Toc524876183)

[TimeSpanExtension.TimeSpanExtension Methods 362](#_Toc524876184)

[Methods 362](#_Toc524876185)

[See Also 362](#_Toc524876186)

[TimeSpanExtension.ToHHMMSSString Method 363](#_Toc524876187)

[Syntax 363](#_Toc524876188)

[See Also 363](#_Toc524876189)

[TimeSpanExtension.ToShortString Method 364](#_Toc524876190)

[Syntax 364](#_Toc524876191)

[See Also 364](#_Toc524876192)

[TypeExtension Class 365](#_Toc524876193)

[Inheritance Hierarchy 365](#_Toc524876194)

[Syntax 365](#_Toc524876195)

[Methods 365](#_Toc524876196)

[See Also 365](#_Toc524876197)

[TypeExtension.TypeExtension Methods 366](#_Toc524876198)

[Methods 366](#_Toc524876199)

[See Also 366](#_Toc524876200)

[TypeExtension.DerivedFromType Method 367](#_Toc524876201)

[Syntax 367](#_Toc524876202)

[See Also 367](#_Toc524876203)

[TypeExtension.ImplementsInterface Method 368](#_Toc524876204)

[Syntax 368](#_Toc524876205)

[See Also 368](#_Toc524876206)

[XElementExtension Class 369](#_Toc524876207)

[Inheritance Hierarchy 369](#_Toc524876208)

[Syntax 369](#_Toc524876209)

[Methods 369](#_Toc524876210)

[See Also 371](#_Toc524876211)

[XElementExtension.XElementExtension Methods 372](#_Toc524876212)

[Methods 372](#_Toc524876213)

[See Also 373](#_Toc524876214)

[XElementExtension.GetBitmapSourceFromNode Method 374](#_Toc524876215)

[Syntax 374](#_Toc524876216)

[See Also 374](#_Toc524876217)

[XElementExtension.GetBoolAttribute Method 375](#_Toc524876218)

[Syntax 375](#_Toc524876219)

[See Also 375](#_Toc524876220)

[XElementExtension.GetBoolFromNode Method 376](#_Toc524876221)

[Syntax 376](#_Toc524876222)

[See Also 376](#_Toc524876223)

[XElementExtension.GetColorFromNode Method 377](#_Toc524876224)

[Syntax 377](#_Toc524876225)

[See Also 377](#_Toc524876226)

[XElementExtension.GetDateTimeAttribute Method 378](#_Toc524876227)

[Syntax 378](#_Toc524876228)

[See Also 378](#_Toc524876229)

[XElementExtension.GetDateTimeFromNodeUTC Method 379](#_Toc524876230)

[Syntax 379](#_Toc524876231)

[See Also 379](#_Toc524876232)

[XElementExtension.GetDirectoryInfoFromNode Method 380](#_Toc524876233)

[Syntax 380](#_Toc524876234)

[See Also 380](#_Toc524876235)

[XElementExtension.GetDoubleAttribute Method 381](#_Toc524876236)

[Syntax 381](#_Toc524876237)

[See Also 381](#_Toc524876238)

[XElementExtension.GetDoubleFromNode Method 382](#_Toc524876239)

[Syntax 382](#_Toc524876240)

[See Also 382](#_Toc524876241)

[XElementExtension.GetDoubleFromNodeComma Method 383](#_Toc524876242)

[Syntax 383](#_Toc524876243)

[See Also 383](#_Toc524876244)

[XElementExtension.GetDoubleFromNodePoint Method 384](#_Toc524876245)

[Syntax 384](#_Toc524876246)

[See Also 384](#_Toc524876247)

[XElementExtension.GetEnumFromNode(*T*) Method 385](#_Toc524876248)

[Syntax 385](#_Toc524876249)

[See Also 385](#_Toc524876250)

[XElementExtension.GetFileInfoFromNode Method 386](#_Toc524876251)

[Syntax 386](#_Toc524876252)

[See Also 386](#_Toc524876253)

[XElementExtension.GetGuidFromNode Method 387](#_Toc524876254)

[Syntax 387](#_Toc524876255)

[See Also 387](#_Toc524876256)

[XElementExtension.GetInt32Attribute Method 388](#_Toc524876257)

[Syntax 388](#_Toc524876258)

[See Also 388](#_Toc524876259)

[XElementExtension.GetInt32FromNode Method 389](#_Toc524876260)

[Syntax 389](#_Toc524876261)

[See Also 389](#_Toc524876262)

[XElementExtension.GetInt64Attribute Method 390](#_Toc524876263)

[Syntax 390](#_Toc524876264)

[See Also 390](#_Toc524876265)

[XElementExtension.GetLongFromNode Method 391](#_Toc524876266)

[Syntax 391](#_Toc524876267)

[See Also 391](#_Toc524876268)

[XElementExtension.GetProperty(*T*) Method 392](#_Toc524876269)

[Syntax 392](#_Toc524876270)

[Exceptions 392](#_Toc524876271)

[See Also 392](#_Toc524876272)

[XElementExtension.GetSingleAttribute Method 394](#_Toc524876273)

[Syntax 394](#_Toc524876274)

[See Also 394](#_Toc524876275)

[XElementExtension.GetSingleFromNode Method 395](#_Toc524876276)

[Syntax 395](#_Toc524876277)

[See Also 395](#_Toc524876278)

[XElementExtension.GetSingleFromNodeComma Method 396](#_Toc524876279)

[Syntax 396](#_Toc524876280)

[See Also 396](#_Toc524876281)

[XElementExtension.GetSingleFromNodePoint Method 397](#_Toc524876282)

[Syntax 397](#_Toc524876283)

[See Also 397](#_Toc524876284)

[XElementExtension.GetStringAttribute Method 398](#_Toc524876285)

[Syntax 398](#_Toc524876286)

[See Also 398](#_Toc524876287)

[XElementExtension.GetStringFromCData Method 399](#_Toc524876288)

[Syntax 399](#_Toc524876289)

[See Also 399](#_Toc524876290)

[XElementExtension.GetStringFromNode Method 400](#_Toc524876291)

[Overload List 400](#_Toc524876292)

[See Also 400](#_Toc524876293)

[XElementExtension.GetStringFromNode Method (XElement, String) 401](#_Toc524876294)

[Syntax 401](#_Toc524876295)

[See Also 401](#_Toc524876296)

[XElementExtension.GetStringFromNode Method (XElement, String, String) 402](#_Toc524876297)

[Syntax 402](#_Toc524876298)

[See Also 402](#_Toc524876299)

[XElementExtension.GetUInt32Attribute Method 403](#_Toc524876300)

[Syntax 403](#_Toc524876301)

[See Also 403](#_Toc524876302)

[XElementExtension.GetUInt32FromNode Method 404](#_Toc524876303)

[Syntax 404](#_Toc524876304)

[See Also 404](#_Toc524876305)

[XElementExtension.GetXElement Method 405](#_Toc524876306)

[Syntax 405](#_Toc524876307)

[See Also 405](#_Toc524876308)

[XElementExtension.SaveDefault Method 406](#_Toc524876309)

[Syntax 406](#_Toc524876310)

[See Also 406](#_Toc524876311)

[XElementExtension.ToDefaultString Method 407](#_Toc524876312)

[Syntax 407](#_Toc524876313)

[See Also 407](#_Toc524876314)

[SIGENCEScenarioTool.Interfaces Namespace 408](#_Toc524876315)

[Interfaces 408](#_Toc524876316)

[IXmlExport Interface 409](#_Toc524876317)

[Syntax 409](#_Toc524876318)

[Methods 409](#_Toc524876319)

[See Also 409](#_Toc524876320)

[IXmlExport.IXmlExport Methods 410](#_Toc524876321)

[Methods 410](#_Toc524876322)

[See Also 410](#_Toc524876323)

[IXmlExport.ToXml Method 411](#_Toc524876324)

[Syntax 411](#_Toc524876325)

[See Also 411](#_Toc524876326)

[SIGENCEScenarioTool.Models Namespace 412](#_Toc524876327)

[Classes 412](#_Toc524876328)

[Enumerations 412](#_Toc524876329)

[AbstractModelBase Class 413](#_Toc524876330)

[Inheritance Hierarchy 413](#_Toc524876331)

[Syntax 413](#_Toc524876332)

[Constructors 413](#_Toc524876333)

[Methods 413](#_Toc524876334)

[Events 413](#_Toc524876335)

[See Also 413](#_Toc524876336)

[AbstractModelBase Constructor 415](#_Toc524876337)

[Syntax 415](#_Toc524876338)

[See Also 415](#_Toc524876339)

[AbstractModelBase.AbstractModelBase Methods 416](#_Toc524876340)

[Methods 416](#_Toc524876341)

[See Also 416](#_Toc524876342)

[AbstractModelBase.FirePropertyChanged Method 417](#_Toc524876343)

[Syntax 417](#_Toc524876344)

[See Also 417](#_Toc524876345)

[AbstractModelBase.AbstractModelBase Events 418](#_Toc524876346)

[Events 418](#_Toc524876347)

[See Also 418](#_Toc524876348)

[AbstractModelBase.PropertyChanged Event 419](#_Toc524876349)

[Syntax 419](#_Toc524876350)

[See Also 419](#_Toc524876351)

[AntennaType Enumeration 420](#_Toc524876352)

[Syntax 420](#_Toc524876353)

[Members 420](#_Toc524876354)

[See Also 420](#_Toc524876355)

[DeviceSource Enumeration 421](#_Toc524876356)

[Syntax 421](#_Toc524876357)

[Members 421](#_Toc524876358)

[See Also 421](#_Toc524876359)

[DeviceType Enumeration 422](#_Toc524876360)

[Syntax 422](#_Toc524876361)

[Members 422](#_Toc524876362)

[See Also 422](#_Toc524876363)

[GeoLocalizationResult Class 423](#_Toc524876364)

[Inheritance Hierarchy 423](#_Toc524876365)

[Syntax 423](#_Toc524876366)

[Constructors 423](#_Toc524876367)

[Properties 423](#_Toc524876368)

[Methods 423](#_Toc524876369)

[Events 424](#_Toc524876370)

[Fields 424](#_Toc524876371)

[See Also 424](#_Toc524876372)

[GeoLocalizationResult Constructor 425](#_Toc524876373)

[Syntax 425](#_Toc524876374)

[See Also 425](#_Toc524876375)

[GeoLocalizationResult.GeoLocalizationResult Properties 426](#_Toc524876376)

[Properties 426](#_Toc524876377)

[See Also 426](#_Toc524876378)

[GeoLocalizationResult.Altitude Property 427](#_Toc524876379)

[Syntax 427](#_Toc524876380)

[See Also 427](#_Toc524876381)

[GeoLocalizationResult.Id Property 428](#_Toc524876382)

[Syntax 428](#_Toc524876383)

[See Also 428](#_Toc524876384)

[GeoLocalizationResult.Latitude Property 429](#_Toc524876385)

[Syntax 429](#_Toc524876386)

[See Also 429](#_Toc524876387)

[GeoLocalizationResult.LocalizationTime Property 430](#_Toc524876388)

[Syntax 430](#_Toc524876389)

[See Also 430](#_Toc524876390)

[GeoLocalizationResult.Longitude Property 431](#_Toc524876391)

[Syntax 431](#_Toc524876392)

[See Also 431](#_Toc524876393)

[GeoLocalizationResult.PrimaryKey Property 432](#_Toc524876394)

[Syntax 432](#_Toc524876395)

[See Also 432](#_Toc524876396)

[GeoLocalizationResult.GeoLocalizationResult Methods 433](#_Toc524876397)

[Methods 433](#_Toc524876398)

[See Also 433](#_Toc524876399)

[GeoLocalizationResult.Clone Method 434](#_Toc524876400)

[Syntax 434](#_Toc524876401)

[See Also 434](#_Toc524876402)

[GeoLocalizationResult.Equals Method 435](#_Toc524876403)

[Overload List 435](#_Toc524876404)

[See Also 435](#_Toc524876405)

[GeoLocalizationResult.Equals Method (GeoLocalizationResult) 436](#_Toc524876406)

[Syntax 436](#_Toc524876407)

[See Also 436](#_Toc524876408)

[GeoLocalizationResult.FromXml Method 437](#_Toc524876409)

[Syntax 437](#_Toc524876410)

[See Also 437](#_Toc524876411)

[GeoLocalizationResult.ToXml Method 438](#_Toc524876412)

[Syntax 438](#_Toc524876413)

[See Also 438](#_Toc524876414)

[GeoLocalizationResult.GeoLocalizationResult Events 439](#_Toc524876415)

[Events 439](#_Toc524876416)

[See Also 439](#_Toc524876417)

[GeoLocalizationResult.GeoLocalizationResult Fields 440](#_Toc524876418)

[Fields 440](#_Toc524876419)

[See Also 440](#_Toc524876420)

[GeoLocalizationResult.ALTITUDE Field 441](#_Toc524876421)

[Syntax 441](#_Toc524876422)

[See Also 441](#_Toc524876423)

[GeoLocalizationResult.DEFAULT\_ALTITUDE Field 442](#_Toc524876424)

[Syntax 442](#_Toc524876425)

[See Also 442](#_Toc524876426)

[GeoLocalizationResult.DEFAULT\_ID Field 443](#_Toc524876427)

[Syntax 443](#_Toc524876428)

[See Also 443](#_Toc524876429)

[GeoLocalizationResult.DEFAULT\_LATITUDE Field 444](#_Toc524876430)

[Syntax 444](#_Toc524876431)

[See Also 444](#_Toc524876432)

[GeoLocalizationResult.DEFAULT\_LOCALIZATIONTIME Field 445](#_Toc524876433)

[Syntax 445](#_Toc524876434)

[See Also 445](#_Toc524876435)

[GeoLocalizationResult.DEFAULT\_LONGITUDE Field 446](#_Toc524876436)

[Syntax 446](#_Toc524876437)

[See Also 446](#_Toc524876438)

[GeoLocalizationResult.DEFAULT\_PRIMARYKEY Field 447](#_Toc524876439)

[Syntax 447](#_Toc524876440)

[See Also 447](#_Toc524876441)

[GeoLocalizationResult.ID Field 448](#_Toc524876442)

[Syntax 448](#_Toc524876443)

[See Also 448](#_Toc524876444)

[GeoLocalizationResult.LATITUDE Field 449](#_Toc524876445)

[Syntax 449](#_Toc524876446)

[See Also 449](#_Toc524876447)

[GeoLocalizationResult.LOCALIZATIONTIME Field 450](#_Toc524876448)

[Syntax 450](#_Toc524876449)

[See Also 450](#_Toc524876450)

[GeoLocalizationResult.LONGITUDE Field 451](#_Toc524876451)

[Syntax 451](#_Toc524876452)

[See Also 451](#_Toc524876453)

[GeoLocalizationResult.PRIMARYKEY Field 452](#_Toc524876454)

[Syntax 452](#_Toc524876455)

[See Also 452](#_Toc524876456)

[GeoLocalizationResultList Class 453](#_Toc524876457)

[Inheritance Hierarchy 453](#_Toc524876458)

[Syntax 453](#_Toc524876459)

[Constructors 453](#_Toc524876460)

[Properties 453](#_Toc524876461)

[Methods 453](#_Toc524876462)

[Extension Methods 457](#_Toc524876463)

[See Also 457](#_Toc524876464)

[GeoLocalizationResultList Constructor 458](#_Toc524876465)

[Overload List 458](#_Toc524876466)

[See Also 458](#_Toc524876467)

[GeoLocalizationResultList Constructor 459](#_Toc524876468)

[Syntax 459](#_Toc524876469)

[See Also 459](#_Toc524876470)

[GeoLocalizationResultList Constructor (Int32) 460](#_Toc524876471)

[Syntax 460](#_Toc524876472)

[See Also 460](#_Toc524876473)

[GeoLocalizationResultList Constructor (IEnumerable(GeoLocalizationResult)) 461](#_Toc524876474)

[Syntax 461](#_Toc524876475)

[See Also 461](#_Toc524876476)

[GeoLocalizationResultList.GeoLocalizationResultList Properties 462](#_Toc524876477)

[Properties 462](#_Toc524876478)

[See Also 462](#_Toc524876479)

[GeoLocalizationResultList.GeoLocalizationResultList Methods 463](#_Toc524876480)

[Methods 463](#_Toc524876481)

[Extension Methods 466](#_Toc524876482)

[See Also 466](#_Toc524876483)

[RFDevice Class 467](#_Toc524876484)

[Inheritance Hierarchy 467](#_Toc524876485)

[Syntax 467](#_Toc524876486)

[Constructors 467](#_Toc524876487)

[Properties 467](#_Toc524876488)

[Methods 468](#_Toc524876489)

[Events 469](#_Toc524876490)

[Fields 469](#_Toc524876491)

[Extension Methods 471](#_Toc524876492)

[See Also 472](#_Toc524876493)

[RFDevice Constructor 473](#_Toc524876494)

[Syntax 473](#_Toc524876495)

[See Also 473](#_Toc524876496)

[RFDevice.RFDevice Properties 474](#_Toc524876497)

[Properties 474](#_Toc524876498)

[See Also 475](#_Toc524876499)

[RFDevice.Altitude Property 476](#_Toc524876500)

[Syntax 476](#_Toc524876501)

[See Also 476](#_Toc524876502)

[RFDevice.AntennaType Property 477](#_Toc524876503)

[Syntax 477](#_Toc524876504)

[See Also 477](#_Toc524876505)

[RFDevice.Bandwidth\_Hz Property 478](#_Toc524876506)

[Syntax 478](#_Toc524876507)

[See Also 478](#_Toc524876508)

[RFDevice.CenterFrequency\_Hz Property 479](#_Toc524876509)

[Syntax 479](#_Toc524876510)

[See Also 479](#_Toc524876511)

[RFDevice.DeviceSource Property 480](#_Toc524876512)

[Syntax 480](#_Toc524876513)

[See Also 480](#_Toc524876514)

[RFDevice.Gain\_dB Property 481](#_Toc524876515)

[Syntax 481](#_Toc524876516)

[See Also 481](#_Toc524876517)

[RFDevice.Id Property 482](#_Toc524876518)

[Syntax 482](#_Toc524876519)

[See Also 482](#_Toc524876520)

[RFDevice.Latitude Property 483](#_Toc524876521)

[Syntax 483](#_Toc524876522)

[See Also 483](#_Toc524876523)

[RFDevice.Longitude Property 484](#_Toc524876524)

[Syntax 484](#_Toc524876525)

[See Also 484](#_Toc524876526)

[RFDevice.Name Property 485](#_Toc524876527)

[Syntax 485](#_Toc524876528)

[See Also 485](#_Toc524876529)

[RFDevice.Pitch Property 486](#_Toc524876530)

[Syntax 486](#_Toc524876531)

[See Also 486](#_Toc524876532)

[RFDevice.PrimaryKey Property 487](#_Toc524876533)

[Syntax 487](#_Toc524876534)

[See Also 487](#_Toc524876535)

[RFDevice.Remark Property 488](#_Toc524876536)

[Syntax 488](#_Toc524876537)

[See Also 488](#_Toc524876538)

[RFDevice.Roll Property 489](#_Toc524876539)

[Syntax 489](#_Toc524876540)

[See Also 489](#_Toc524876541)

[RFDevice.RxTxType Property 490](#_Toc524876542)

[Syntax 490](#_Toc524876543)

[See Also 490](#_Toc524876544)

[RFDevice.SignalToNoiseRatio\_dB Property 491](#_Toc524876545)

[Syntax 491](#_Toc524876546)

[See Also 491](#_Toc524876547)

[RFDevice.StartTime Property 492](#_Toc524876548)

[Syntax 492](#_Toc524876549)

[See Also 492](#_Toc524876550)

[RFDevice.XPos Property 493](#_Toc524876551)

[Syntax 493](#_Toc524876552)

[See Also 493](#_Toc524876553)

[RFDevice.Yaw Property 494](#_Toc524876554)

[Syntax 494](#_Toc524876555)

[See Also 494](#_Toc524876556)

[RFDevice.YPos Property 495](#_Toc524876557)

[Syntax 495](#_Toc524876558)

[See Also 495](#_Toc524876559)

[RFDevice.ZPos Property 496](#_Toc524876560)

[Syntax 496](#_Toc524876561)

[See Also 496](#_Toc524876562)

[RFDevice.RFDevice Methods 497](#_Toc524876563)

[Methods 497](#_Toc524876564)

[Extension Methods 497](#_Toc524876565)

[See Also 498](#_Toc524876566)

[RFDevice.Clone Method 499](#_Toc524876567)

[Syntax 499](#_Toc524876568)

[See Also 499](#_Toc524876569)

[RFDevice.Equals Method 500](#_Toc524876570)

[Overload List 500](#_Toc524876571)

[See Also 500](#_Toc524876572)

[RFDevice.Equals Method (RFDevice) 501](#_Toc524876573)

[Syntax 501](#_Toc524876574)

[See Also 501](#_Toc524876575)

[RFDevice.FromXml Method 502](#_Toc524876576)

[Syntax 502](#_Toc524876577)

[See Also 502](#_Toc524876578)

[RFDevice.ToString Method 503](#_Toc524876579)

[Syntax 503](#_Toc524876580)

[See Also 503](#_Toc524876581)

[RFDevice.ToXml Method 504](#_Toc524876582)

[Syntax 504](#_Toc524876583)

[See Also 504](#_Toc524876584)

[RFDevice.Validate Method 505](#_Toc524876585)

[Syntax 505](#_Toc524876586)

[See Also 505](#_Toc524876587)

[RFDevice.RFDevice Events 506](#_Toc524876588)

[Events 506](#_Toc524876589)

[See Also 506](#_Toc524876590)

[RFDevice.RFDevice Fields 507](#_Toc524876591)

[Fields 507](#_Toc524876592)

[See Also 509](#_Toc524876593)

[RFDevice.ALTITUDE Field 510](#_Toc524876594)

[Syntax 510](#_Toc524876595)

[See Also 510](#_Toc524876596)

[RFDevice.ANTENNATYPE Field 511](#_Toc524876597)

[Syntax 511](#_Toc524876598)

[See Also 511](#_Toc524876599)

[RFDevice.BANDWIDTH\_HZ Field 512](#_Toc524876600)

[Syntax 512](#_Toc524876601)

[See Also 512](#_Toc524876602)

[RFDevice.CENTERFREQUENCY\_HZ Field 513](#_Toc524876603)

[Syntax 513](#_Toc524876604)

[See Also 513](#_Toc524876605)

[RFDevice.DEFAULT\_ALTITUDE Field 514](#_Toc524876606)

[Syntax 514](#_Toc524876607)

[See Also 514](#_Toc524876608)

[RFDevice.DEFAULT\_ANTENNATYPE Field 515](#_Toc524876609)

[Syntax 515](#_Toc524876610)

[See Also 515](#_Toc524876611)

[RFDevice.DEFAULT\_BANDWIDTH\_HZ Field 516](#_Toc524876612)

[Syntax 516](#_Toc524876613)

[See Also 516](#_Toc524876614)

[RFDevice.DEFAULT\_CENTERFREQUENCY\_HZ Field 517](#_Toc524876615)

[Syntax 517](#_Toc524876616)

[See Also 517](#_Toc524876617)

[RFDevice.DEFAULT\_DEVICESOURCE Field 518](#_Toc524876618)

[Syntax 518](#_Toc524876619)

[See Also 518](#_Toc524876620)

[RFDevice.DEFAULT\_GAIN\_DB Field 519](#_Toc524876621)

[Syntax 519](#_Toc524876622)

[See Also 519](#_Toc524876623)

[RFDevice.DEFAULT\_ID Field 520](#_Toc524876624)

[Syntax 520](#_Toc524876625)

[See Also 520](#_Toc524876626)

[RFDevice.DEFAULT\_LATITUDE Field 521](#_Toc524876627)

[Syntax 521](#_Toc524876628)

[See Also 521](#_Toc524876629)

[RFDevice.DEFAULT\_LONGITUDE Field 522](#_Toc524876630)

[Syntax 522](#_Toc524876631)

[See Also 522](#_Toc524876632)

[RFDevice.DEFAULT\_NAME Field 523](#_Toc524876633)

[Syntax 523](#_Toc524876634)

[See Also 523](#_Toc524876635)

[RFDevice.DEFAULT\_PITCH Field 524](#_Toc524876636)

[Syntax 524](#_Toc524876637)

[See Also 524](#_Toc524876638)

[RFDevice.DEFAULT\_PRIMARYKEY Field 525](#_Toc524876639)

[Syntax 525](#_Toc524876640)

[See Also 525](#_Toc524876641)

[RFDevice.DEFAULT\_REMARK Field 526](#_Toc524876642)

[Syntax 526](#_Toc524876643)

[See Also 526](#_Toc524876644)

[RFDevice.DEFAULT\_ROLL Field 527](#_Toc524876645)

[Syntax 527](#_Toc524876646)

[See Also 527](#_Toc524876647)

[RFDevice.DEFAULT\_RXTXTYPE Field 528](#_Toc524876648)

[Syntax 528](#_Toc524876649)

[See Also 528](#_Toc524876650)

[RFDevice.DEFAULT\_SIGNALTONOISERATIO\_DB Field 529](#_Toc524876651)

[Syntax 529](#_Toc524876652)

[See Also 529](#_Toc524876653)

[RFDevice.DEFAULT\_STARTTIME Field 530](#_Toc524876654)

[Syntax 530](#_Toc524876655)

[See Also 530](#_Toc524876656)

[RFDevice.DEFAULT\_XPOS Field 531](#_Toc524876657)

[Syntax 531](#_Toc524876658)

[See Also 531](#_Toc524876659)

[RFDevice.DEFAULT\_YAW Field 532](#_Toc524876660)

[Syntax 532](#_Toc524876661)

[See Also 532](#_Toc524876662)

[RFDevice.DEFAULT\_YPOS Field 533](#_Toc524876663)

[Syntax 533](#_Toc524876664)

[See Also 533](#_Toc524876665)

[RFDevice.DEFAULT\_ZPOS Field 534](#_Toc524876666)

[Syntax 534](#_Toc524876667)

[See Also 534](#_Toc524876668)

[RFDevice.DEVICESOURCE Field 535](#_Toc524876669)

[Syntax 535](#_Toc524876670)

[See Also 535](#_Toc524876671)

[RFDevice.GAIN\_DB Field 536](#_Toc524876672)

[Syntax 536](#_Toc524876673)

[See Also 536](#_Toc524876674)

[RFDevice.ID Field 537](#_Toc524876675)

[Syntax 537](#_Toc524876676)

[See Also 537](#_Toc524876677)

[RFDevice.LATITUDE Field 538](#_Toc524876678)

[Syntax 538](#_Toc524876679)

[See Also 538](#_Toc524876680)

[RFDevice.LONGITUDE Field 539](#_Toc524876681)

[Syntax 539](#_Toc524876682)

[See Also 539](#_Toc524876683)

[RFDevice.NAME Field 540](#_Toc524876684)

[Syntax 540](#_Toc524876685)

[See Also 540](#_Toc524876686)

[RFDevice.PITCH Field 541](#_Toc524876687)

[Syntax 541](#_Toc524876688)

[See Also 541](#_Toc524876689)

[RFDevice.PRIMARYKEY Field 542](#_Toc524876690)

[Syntax 542](#_Toc524876691)

[See Also 542](#_Toc524876692)

[RFDevice.REMARK Field 543](#_Toc524876693)

[Syntax 543](#_Toc524876694)

[See Also 543](#_Toc524876695)

[RFDevice.ROLL Field 544](#_Toc524876696)

[Syntax 544](#_Toc524876697)

[See Also 544](#_Toc524876698)

[RFDevice.RXTXTYPE Field 545](#_Toc524876699)

[Syntax 545](#_Toc524876700)

[See Also 545](#_Toc524876701)

[RFDevice.SIGNALTONOISERATIO\_DB Field 546](#_Toc524876702)

[Syntax 546](#_Toc524876703)

[See Also 546](#_Toc524876704)

[RFDevice.STARTTIME Field 547](#_Toc524876705)

[Syntax 547](#_Toc524876706)

[See Also 547](#_Toc524876707)

[RFDevice.XPOS Field 548](#_Toc524876708)

[Syntax 548](#_Toc524876709)

[See Also 548](#_Toc524876710)

[RFDevice.YAW Field 549](#_Toc524876711)

[Syntax 549](#_Toc524876712)

[See Also 549](#_Toc524876713)

[RFDevice.YPOS Field 550](#_Toc524876714)

[Syntax 550](#_Toc524876715)

[See Also 550](#_Toc524876716)

[RFDevice.ZPOS Field 551](#_Toc524876717)

[Syntax 551](#_Toc524876718)

[See Also 551](#_Toc524876719)

[RFDeviceExtensions Class 552](#_Toc524876720)

[Inheritance Hierarchy 552](#_Toc524876721)

[Syntax 552](#_Toc524876722)

[Methods 552](#_Toc524876723)

[See Also 553](#_Toc524876724)

[RFDeviceExtensions.RFDeviceExtensions Methods 554](#_Toc524876725)

[Methods 554](#_Toc524876726)

[See Also 554](#_Toc524876727)

[RFDeviceExtensions.WithAltitude Method 555](#_Toc524876728)

[Syntax 555](#_Toc524876729)

[See Also 555](#_Toc524876730)

[RFDeviceExtensions.WithAntennaType Method 556](#_Toc524876731)

[Syntax 556](#_Toc524876732)

[See Also 556](#_Toc524876733)

[RFDeviceExtensions.WithBandwidth\_Hz Method 557](#_Toc524876734)

[Syntax 557](#_Toc524876735)

[See Also 557](#_Toc524876736)

[RFDeviceExtensions.WithCenterFrequency\_Hz Method 558](#_Toc524876737)

[Syntax 558](#_Toc524876738)

[See Also 558](#_Toc524876739)

[RFDeviceExtensions.WithDeviceSource Method 559](#_Toc524876740)

[Syntax 559](#_Toc524876741)

[See Also 559](#_Toc524876742)

[RFDeviceExtensions.WithGain\_dB Method 560](#_Toc524876743)

[Syntax 560](#_Toc524876744)

[See Also 560](#_Toc524876745)

[RFDeviceExtensions.WithId Method 561](#_Toc524876746)

[Syntax 561](#_Toc524876747)

[See Also 561](#_Toc524876748)

[RFDeviceExtensions.WithLatitude Method 562](#_Toc524876749)

[Syntax 562](#_Toc524876750)

[See Also 562](#_Toc524876751)

[RFDeviceExtensions.WithLongitude Method 563](#_Toc524876752)

[Syntax 563](#_Toc524876753)

[See Also 563](#_Toc524876754)

[RFDeviceExtensions.WithName Method 564](#_Toc524876755)

[Syntax 564](#_Toc524876756)

[See Also 564](#_Toc524876757)

[RFDeviceExtensions.WithPitch Method 565](#_Toc524876758)

[Syntax 565](#_Toc524876759)

[See Also 565](#_Toc524876760)

[RFDeviceExtensions.WithPrimaryKey Method 566](#_Toc524876761)

[Syntax 566](#_Toc524876762)

[See Also 566](#_Toc524876763)

[RFDeviceExtensions.WithRemark Method 567](#_Toc524876764)

[Syntax 567](#_Toc524876765)

[See Also 567](#_Toc524876766)

[RFDeviceExtensions.WithRoll Method 568](#_Toc524876767)

[Syntax 568](#_Toc524876768)

[See Also 568](#_Toc524876769)

[RFDeviceExtensions.WithRxTxType Method 569](#_Toc524876770)

[Syntax 569](#_Toc524876771)

[See Also 569](#_Toc524876772)

[RFDeviceExtensions.WithSignalToNoiseRatio\_dB Method 570](#_Toc524876773)

[Syntax 570](#_Toc524876774)

[See Also 570](#_Toc524876775)

[RFDeviceExtensions.WithStartTime Method 571](#_Toc524876776)

[Syntax 571](#_Toc524876777)

[See Also 571](#_Toc524876778)

[RFDeviceExtensions.WithXPos Method 572](#_Toc524876779)

[Syntax 572](#_Toc524876780)

[See Also 572](#_Toc524876781)

[RFDeviceExtensions.WithYaw Method 573](#_Toc524876782)

[Syntax 573](#_Toc524876783)

[See Also 573](#_Toc524876784)

[RFDeviceExtensions.WithYPos Method 574](#_Toc524876785)

[Syntax 574](#_Toc524876786)

[See Also 574](#_Toc524876787)

[RFDeviceExtensions.WithZPos Method 575](#_Toc524876788)

[Syntax 575](#_Toc524876789)

[See Also 575](#_Toc524876790)

[RFDeviceList Class 576](#_Toc524876791)

[Inheritance Hierarchy 576](#_Toc524876792)

[Syntax 576](#_Toc524876793)

[Constructors 576](#_Toc524876794)

[Properties 576](#_Toc524876795)

[Methods 576](#_Toc524876796)

[Extension Methods 580](#_Toc524876797)

[See Also 580](#_Toc524876798)

[RFDeviceList Constructor 581](#_Toc524876799)

[Overload List 581](#_Toc524876800)

[See Also 581](#_Toc524876801)

[RFDeviceList Constructor 582](#_Toc524876802)

[Syntax 582](#_Toc524876803)

[See Also 582](#_Toc524876804)

[RFDeviceList Constructor (Int32) 583](#_Toc524876805)

[Syntax 583](#_Toc524876806)

[See Also 583](#_Toc524876807)

[RFDeviceList Constructor (IEnumerable(RFDevice)) 584](#_Toc524876808)

[Syntax 584](#_Toc524876809)

[See Also 584](#_Toc524876810)

[RFDeviceList.RFDeviceList Properties 585](#_Toc524876811)

[Properties 585](#_Toc524876812)

[See Also 585](#_Toc524876813)

[RFDeviceList.RFDeviceList Methods 586](#_Toc524876814)

[Methods 586](#_Toc524876815)

[Extension Methods 589](#_Toc524876816)

[See Also 589](#_Toc524876817)

[RFDeviceList.CreateRandomizedRFDeviceList Method 590](#_Toc524876818)

[Syntax 590](#_Toc524876819)

[See Also 590](#_Toc524876820)

[RFDeviceTooltips Class 591](#_Toc524876821)

[Inheritance Hierarchy 591](#_Toc524876822)

[Syntax 591](#_Toc524876823)

[Constructors 591](#_Toc524876824)

[Properties 591](#_Toc524876825)

[Methods 592](#_Toc524876826)

[See Also 592](#_Toc524876827)

[RFDeviceTooltips Constructor 593](#_Toc524876828)

[Syntax 593](#_Toc524876829)

[See Also 593](#_Toc524876830)

[RFDeviceTooltips.RFDeviceTooltips Properties 594](#_Toc524876831)

[Properties 594](#_Toc524876832)

[See Also 594](#_Toc524876833)

[RFDeviceTooltips.TOOLTIP\_ALTITUDE Property 595](#_Toc524876834)

[Syntax 595](#_Toc524876835)

[See Also 595](#_Toc524876836)

[RFDeviceTooltips.TOOLTIP\_ANTENNATYPE Property 596](#_Toc524876837)

[Syntax 596](#_Toc524876838)

[See Also 596](#_Toc524876839)

[RFDeviceTooltips.TOOLTIP\_BANDWIDTH\_HZ Property 597](#_Toc524876840)

[Syntax 597](#_Toc524876841)

[See Also 597](#_Toc524876842)

[RFDeviceTooltips.TOOLTIP\_CENTERFREQUENCY\_HZ Property 598](#_Toc524876843)

[Syntax 598](#_Toc524876844)

[See Also 598](#_Toc524876845)

[RFDeviceTooltips.TOOLTIP\_DEVICESOURCE Property 599](#_Toc524876846)

[Syntax 599](#_Toc524876847)

[See Also 599](#_Toc524876848)

[RFDeviceTooltips.TOOLTIP\_GAIN\_DB Property 600](#_Toc524876849)

[Syntax 600](#_Toc524876850)

[See Also 600](#_Toc524876851)

[RFDeviceTooltips.TOOLTIP\_ID Property 601](#_Toc524876852)

[Syntax 601](#_Toc524876853)

[See Also 601](#_Toc524876854)

[RFDeviceTooltips.TOOLTIP\_LATITUDE Property 602](#_Toc524876855)

[Syntax 602](#_Toc524876856)

[See Also 602](#_Toc524876857)

[RFDeviceTooltips.TOOLTIP\_LONGITUDE Property 603](#_Toc524876858)

[Syntax 603](#_Toc524876859)

[See Also 603](#_Toc524876860)

[RFDeviceTooltips.TOOLTIP\_NAME Property 604](#_Toc524876861)

[Syntax 604](#_Toc524876862)

[See Also 604](#_Toc524876863)

[RFDeviceTooltips.TOOLTIP\_PITCH Property 605](#_Toc524876864)

[Syntax 605](#_Toc524876865)

[See Also 605](#_Toc524876866)

[RFDeviceTooltips.TOOLTIP\_PRIMARYKEY Property 606](#_Toc524876867)

[Syntax 606](#_Toc524876868)

[See Also 606](#_Toc524876869)

[RFDeviceTooltips.TOOLTIP\_REMARK Property 607](#_Toc524876870)

[Syntax 607](#_Toc524876871)

[See Also 607](#_Toc524876872)

[RFDeviceTooltips.TOOLTIP\_ROLL Property 608](#_Toc524876873)

[Syntax 608](#_Toc524876874)

[See Also 608](#_Toc524876875)

[RFDeviceTooltips.TOOLTIP\_RXTXTYPE Property 609](#_Toc524876876)

[Syntax 609](#_Toc524876877)

[See Also 609](#_Toc524876878)

[RFDeviceTooltips.TOOLTIP\_SIGNALTONOISERATIO\_DB Property 610](#_Toc524876879)

[Syntax 610](#_Toc524876880)

[See Also 610](#_Toc524876881)

[RFDeviceTooltips.TOOLTIP\_STARTTIME Property 611](#_Toc524876882)

[Syntax 611](#_Toc524876883)

[See Also 611](#_Toc524876884)

[RFDeviceTooltips.TOOLTIP\_XPOS Property 612](#_Toc524876885)

[Syntax 612](#_Toc524876886)

[See Also 612](#_Toc524876887)

[RFDeviceTooltips.TOOLTIP\_YAW Property 613](#_Toc524876888)

[Syntax 613](#_Toc524876889)

[See Also 613](#_Toc524876890)

[RFDeviceTooltips.TOOLTIP\_YPOS Property 614](#_Toc524876891)

[Syntax 614](#_Toc524876892)

[See Also 614](#_Toc524876893)

[RFDeviceTooltips.TOOLTIP\_ZPOS Property 615](#_Toc524876894)

[Syntax 615](#_Toc524876895)

[See Also 615](#_Toc524876896)

[RFDeviceTooltips.RFDeviceTooltips Methods 616](#_Toc524876897)

[Methods 616](#_Toc524876898)

[See Also 616](#_Toc524876899)

[RxTxType Enumeration 617](#_Toc524876900)

[Syntax 617](#_Toc524876901)

[Members 617](#_Toc524876902)

[See Also 617](#_Toc524876903)

[Servity Enumeration 618](#_Toc524876904)

[Syntax 618](#_Toc524876905)

[Members 618](#_Toc524876906)

[See Also 618](#_Toc524876907)

[SIGENCEScenarioTool.Models.Validation Namespace 619](#_Toc524876908)

[Classes 619](#_Toc524876909)

[ValidationResult Class 620](#_Toc524876910)

[Inheritance Hierarchy 620](#_Toc524876911)

[Syntax 620](#_Toc524876912)

[Constructors 620](#_Toc524876913)

[Properties 620](#_Toc524876914)

[Methods 620](#_Toc524876915)

[See Also 620](#_Toc524876916)

[ValidationResult Constructor 622](#_Toc524876917)

[Syntax 622](#_Toc524876918)

[See Also 622](#_Toc524876919)

[ValidationResult.ValidationResult Properties 623](#_Toc524876920)

[Properties 623](#_Toc524876921)

[See Also 623](#_Toc524876922)

[ValidationResult.Id Property 624](#_Toc524876923)

[Syntax 624](#_Toc524876924)

[See Also 624](#_Toc524876925)

[ValidationResult.Message Property 625](#_Toc524876926)

[Syntax 625](#_Toc524876927)

[See Also 625](#_Toc524876928)

[ValidationResult.PropertyName Property 626](#_Toc524876929)

[Syntax 626](#_Toc524876930)

[See Also 626](#_Toc524876931)

[ValidationResult.Servity Property 627](#_Toc524876932)

[Syntax 627](#_Toc524876933)

[See Also 627](#_Toc524876934)

[ValidationResult.Source Property 628](#_Toc524876935)

[Syntax 628](#_Toc524876936)

[See Also 628](#_Toc524876937)

[ValidationResult.Timestamp Property 629](#_Toc524876938)

[Syntax 629](#_Toc524876939)

[See Also 629](#_Toc524876940)

[ValidationResult.Value Property 630](#_Toc524876941)

[Syntax 630](#_Toc524876942)

[See Also 630](#_Toc524876943)

[ValidationResult.ValidationResult Methods 631](#_Toc524876944)

[Methods 631](#_Toc524876945)

[See Also 631](#_Toc524876946)

[ValidationResultList Class 632](#_Toc524876947)

[Inheritance Hierarchy 632](#_Toc524876948)

[Syntax 632](#_Toc524876949)

[Constructors 632](#_Toc524876950)

[Properties 632](#_Toc524876951)

[Methods 632](#_Toc524876952)

[Extension Methods 636](#_Toc524876953)

[See Also 636](#_Toc524876954)

[ValidationResultList Constructor 637](#_Toc524876955)

[Syntax 637](#_Toc524876956)

[See Also 637](#_Toc524876957)

[ValidationResultList.ValidationResultList Properties 638](#_Toc524876958)

[Properties 638](#_Toc524876959)

[See Also 638](#_Toc524876960)

[ValidationResultList.Empty Property 639](#_Toc524876961)

[Syntax 639](#_Toc524876962)

[See Also 639](#_Toc524876963)

[ValidationResultList.ValidationResultList Methods 640](#_Toc524876964)

[Methods 640](#_Toc524876965)

[Extension Methods 643](#_Toc524876966)

[See Also 643](#_Toc524876967)

[ValidationResultList.Add Method 644](#_Toc524876968)

[Overload List 644](#_Toc524876969)

[See Also 644](#_Toc524876970)

[ValidationResultList.Add Method (Servity, String, Object, String, Object) 645](#_Toc524876971)

[Syntax 645](#_Toc524876972)

[See Also 645](#_Toc524876973)

[SIGENCEScenarioTool.Tools Namespace 646](#_Toc524876974)

[Classes 646](#_Toc524876975)

[Enumerations 646](#_Toc524876976)

[Blink Class 647](#_Toc524876977)

[Inheritance Hierarchy 647](#_Toc524876978)

[Syntax 647](#_Toc524876979)

[Methods 647](#_Toc524876980)

[See Also 647](#_Toc524876981)

[Blink.Blink Methods 648](#_Toc524876982)

[Methods 648](#_Toc524876983)

[See Also 648](#_Toc524876984)

[Blink.FadeWhiteToBlack Method 649](#_Toc524876985)

[Syntax 649](#_Toc524876986)

[See Also 649](#_Toc524876987)

[Blink.Off Method 650](#_Toc524876988)

[Syntax 650](#_Toc524876989)

[See Also 650](#_Toc524876990)

[Blink.On Method 651](#_Toc524876991)

[Syntax 651](#_Toc524876992)

[See Also 651](#_Toc524876993)

[Blink.SetColor Method 652](#_Toc524876994)

[Overload List 652](#_Toc524876995)

[See Also 652](#_Toc524876996)

[Blink.SetColor Method (Color) 653](#_Toc524876997)

[Syntax 653](#_Toc524876998)

[See Also 653](#_Toc524876999)

[Blink.SetColor Method (Int32, Int32, Int32) 654](#_Toc524877000)

[Syntax 654](#_Toc524877001)

[See Also 654](#_Toc524877002)

[Blink.Show Method 655](#_Toc524877003)

[Syntax 655](#_Toc524877004)

[See Also 655](#_Toc524877005)

[Blink.Test Method 656](#_Toc524877006)

[Syntax 656](#_Toc524877007)

[See Also 656](#_Toc524877008)

[GeoHelper Class 657](#_Toc524877009)

[Inheritance Hierarchy 657](#_Toc524877010)

[Syntax 657](#_Toc524877011)

[Methods 657](#_Toc524877012)

[Fields 657](#_Toc524877013)

[See Also 657](#_Toc524877014)

[GeoHelper.GeoHelper Methods 658](#_Toc524877015)

[Methods 658](#_Toc524877016)

[See Also 658](#_Toc524877017)

[GeoHelper.CoordinateToPointLatLng Method 659](#_Toc524877018)

[Syntax 659](#_Toc524877019)

[See Also 659](#_Toc524877020)

[GeoHelper.CreatePolygon Method 660](#_Toc524877021)

[Syntax 660](#_Toc524877022)

[See Also 660](#_Toc524877023)

[GeoHelper.GeometryToString Method 661](#_Toc524877024)

[Syntax 661](#_Toc524877025)

[See Also 661](#_Toc524877026)

[GeoHelper.StringToGeometry Method 662](#_Toc524877027)

[Syntax 662](#_Toc524877028)

[See Also 662](#_Toc524877029)

[GeoHelper.GeoHelper Fields 663](#_Toc524877030)

[Fields 663](#_Toc524877031)

[See Also 663](#_Toc524877032)

[GeoHelper.GERMANY\_CENTERPOINT Field 664](#_Toc524877033)

[Syntax 664](#_Toc524877034)

[See Also 664](#_Toc524877035)

[GeoTag Enumeration 665](#_Toc524877036)

[Syntax 665](#_Toc524877037)

[Members 665](#_Toc524877038)

[See Also 665](#_Toc524877039)

[Highway Enumeration 666](#_Toc524877040)

[Syntax 666](#_Toc524877041)

[Members 666](#_Toc524877042)

[See Also 666](#_Toc524877043)

[MB Class 667](#_Toc524877044)

[Inheritance Hierarchy 667](#_Toc524877045)

[Syntax 667](#_Toc524877046)

[Methods 667](#_Toc524877047)

[See Also 667](#_Toc524877048)

[MB.MB Methods 668](#_Toc524877049)

[Methods 668](#_Toc524877050)

[See Also 668](#_Toc524877051)

[MB.Error Method 669](#_Toc524877052)

[Syntax 669](#_Toc524877053)

[See Also 669](#_Toc524877054)

[MB.HereIAm Method 670](#_Toc524877055)

[Syntax 670](#_Toc524877056)

[See Also 670](#_Toc524877057)

[MB.Information Method 671](#_Toc524877058)

[Overload List 671](#_Toc524877059)

[See Also 671](#_Toc524877060)

[MB.Information Method (String) 672](#_Toc524877061)

[Syntax 672](#_Toc524877062)

[See Also 672](#_Toc524877063)

[MB.Information Method (String, Object[]) 673](#_Toc524877064)

[Syntax 673](#_Toc524877065)

[See Also 673](#_Toc524877066)

[MB.NotYetImplemented Method 674](#_Toc524877067)

[Syntax 674](#_Toc524877068)

[See Also 674](#_Toc524877069)

[MB.Warning Method 675](#_Toc524877070)

[Overload List 675](#_Toc524877071)

[See Also 675](#_Toc524877072)

[MB.Warning Method (String) 676](#_Toc524877073)

[Syntax 676](#_Toc524877074)

[See Also 676](#_Toc524877075)

[MB.Warning Method (String, Object[]) 677](#_Toc524877076)

[Syntax 677](#_Toc524877077)

[See Also 677](#_Toc524877078)

[PythonSyntaxModeFileProvider Class 678](#_Toc524877079)

[Inheritance Hierarchy 678](#_Toc524877080)

[Syntax 678](#_Toc524877081)

[Constructors 678](#_Toc524877082)

[Properties 678](#_Toc524877083)

[Methods 678](#_Toc524877084)

[See Also 678](#_Toc524877085)

[PythonSyntaxModeFileProvider Constructor 679](#_Toc524877086)

[Syntax 679](#_Toc524877087)

[See Also 679](#_Toc524877088)

[PythonSyntaxModeFileProvider.PythonSyntaxModeFileProvider Properties 680](#_Toc524877089)

[Properties 680](#_Toc524877090)

[See Also 680](#_Toc524877091)

[PythonSyntaxModeFileProvider.SyntaxModes Property 681](#_Toc524877092)

[Syntax 681](#_Toc524877093)

[See Also 681](#_Toc524877094)

[PythonSyntaxModeFileProvider.PythonSyntaxModeFileProvider Methods 682](#_Toc524877095)

[Methods 682](#_Toc524877096)

[See Also 682](#_Toc524877097)

[PythonSyntaxModeFileProvider.GetSyntaxModeFile Method 683](#_Toc524877098)

[Syntax 683](#_Toc524877099)

[See Also 683](#_Toc524877100)

[PythonSyntaxModeFileProvider.UpdateSyntaxModeList Method 684](#_Toc524877101)

[Syntax 684](#_Toc524877102)

[See Also 684](#_Toc524877103)

[Speech Class 685](#_Toc524877104)

[Inheritance Hierarchy 685](#_Toc524877105)

[Syntax 685](#_Toc524877106)

[Constructors 685](#_Toc524877107)

[Properties 685](#_Toc524877108)

[Methods 685](#_Toc524877109)

[See Also 685](#_Toc524877110)

[Speech Constructor 686](#_Toc524877111)

[Syntax 686](#_Toc524877112)

[See Also 686](#_Toc524877113)

[Speech.Speech Properties 687](#_Toc524877114)

[Properties 687](#_Toc524877115)

[See Also 687](#_Toc524877116)

[Speech.State Property 688](#_Toc524877117)

[Syntax 688](#_Toc524877118)

[See Also 688](#_Toc524877119)

[Speech.Speech Methods 689](#_Toc524877120)

[Methods 689](#_Toc524877121)

[See Also 689](#_Toc524877122)

[Speech.Dispose Method 690](#_Toc524877123)

[Syntax 690](#_Toc524877124)

[See Also 690](#_Toc524877125)

[Speech.Say Method 691](#_Toc524877126)

[Syntax 691](#_Toc524877127)

[See Also 691](#_Toc524877128)

[Speech.Speak Method 692](#_Toc524877129)

[Syntax 692](#_Toc524877130)

[See Also 692](#_Toc524877131)

[Tool Class 693](#_Toc524877132)

[Inheritance Hierarchy 693](#_Toc524877133)

[Syntax 693](#_Toc524877134)

[Properties 693](#_Toc524877135)

[Methods 693](#_Toc524877136)

[Fields 693](#_Toc524877137)

[See Also 694](#_Toc524877138)

[Tool.Tool Properties 695](#_Toc524877139)

[Properties 695](#_Toc524877140)

[See Also 695](#_Toc524877141)

[Tool.ProductName Property 696](#_Toc524877142)

[Syntax 696](#_Toc524877143)

[See Also 696](#_Toc524877144)

[Tool.ProductTitle Property 697](#_Toc524877145)

[Syntax 697](#_Toc524877146)

[See Also 697](#_Toc524877147)

[Tool.StartupPath Property 698](#_Toc524877148)

[Syntax 698](#_Toc524877149)

[See Also 698](#_Toc524877150)

[Tool.Version Property 699](#_Toc524877151)

[Syntax 699](#_Toc524877152)

[See Also 699](#_Toc524877153)

[Tool.Tool Methods 700](#_Toc524877154)

[Methods 700](#_Toc524877155)

[See Also 700](#_Toc524877156)

[Tool.GetGrad Method 701](#_Toc524877157)

[Syntax 701](#_Toc524877158)

[See Also 701](#_Toc524877159)

[Tool.GetGradMinutesSeconds Method 702](#_Toc524877160)

[Syntax 702](#_Toc524877161)

[See Also 702](#_Toc524877162)

[Tool.GetHumanDistance Method 703](#_Toc524877163)

[Syntax 703](#_Toc524877164)

[See Also 703](#_Toc524877165)

[Tool.GetHumanSize Method 704](#_Toc524877166)

[Syntax 704](#_Toc524877167)

[See Also 704](#_Toc524877168)

[Tool.ReadResourceAsString Method 705](#_Toc524877169)

[Syntax 705](#_Toc524877170)

[See Also 705](#_Toc524877171)

[Tool.Tool Fields 706](#_Toc524877172)

[Fields 706](#_Toc524877173)

[See Also 706](#_Toc524877174)

[Tool.ALLCHARS Field 707](#_Toc524877175)

[Syntax 707](#_Toc524877176)

[See Also 707](#_Toc524877177)

[Tool.ALLPANGRAMS Field 708](#_Toc524877178)

[Syntax 708](#_Toc524877179)

[See Also 708](#_Toc524877180)

[Tool.FOX Field 709](#_Toc524877181)

[Syntax 709](#_Toc524877182)

[See Also 709](#_Toc524877183)

[Tool.FRANZ Field 710](#_Toc524877184)

[Syntax 710](#_Toc524877185)

[See Also 710](#_Toc524877186)

[Tool.WILFRIED Field 711](#_Toc524877187)

[Syntax 711](#_Toc524877188)

[See Also 711](#_Toc524877189)

[Tool.XYLOPHONMUSIK Field 712](#_Toc524877190)

[Syntax 712](#_Toc524877191)

[See Also 712](#_Toc524877192)

[Windows Class 713](#_Toc524877193)

[Inheritance Hierarchy 713](#_Toc524877194)

[Syntax 713](#_Toc524877195)

[Methods 713](#_Toc524877196)

[See Also 713](#_Toc524877197)

[Windows.Windows Methods 714](#_Toc524877198)

[Methods 714](#_Toc524877199)

[See Also 714](#_Toc524877200)

[Windows.GetWPFScreenshot Method 715](#_Toc524877201)

[Syntax 715](#_Toc524877202)

[See Also 715](#_Toc524877203)

[Windows.OpenWebAdress Method 716](#_Toc524877204)

[Syntax 716](#_Toc524877205)

[See Also 716](#_Toc524877206)

[Windows.OpenWithDefaultApplication Method 717](#_Toc524877207)

[Overload List 717](#_Toc524877208)

[See Also 717](#_Toc524877209)

[Windows.OpenWithDefaultApplication Method (FileInfo) 718](#_Toc524877210)

[Syntax 718](#_Toc524877211)

[See Also 718](#_Toc524877212)

[Windows.OpenWithDefaultApplication Method (String) 719](#_Toc524877213)

[Syntax 719](#_Toc524877214)

[See Also 719](#_Toc524877215)

[Windows.SaveWPFScreenshot Method 720](#_Toc524877216)

[Syntax 720](#_Toc524877217)

[See Also 720](#_Toc524877218)

# SIGENCEScenarioTool.Database.SQLite Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [SQLiteHelper](#_8952F9D0_Topic) |  |
| Public class | [SQLiteMemoryDatabase](#_71D481EC_Topic) |  |

# SQLiteHelper Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Database.SQLite.SQLiteHelper

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class SQLiteHelper |

The **SQLiteHelper** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetDbType](#_56B384F3_Topic) | Gets the type of the database. |
| Public methodStatic member | [GetNativeType](#_7AB090F1_Topic) | Gets the type of the native. |
| Public methodStatic member | [GetSQLiteColumn](#_73DE725F_Topic) | Gets the sq lite column. |
| Public methodStatic member | [GetSQLiteParameter](#_A37D018_Topic) | Gets the sq lite parameter. |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [TypeMapping](#_20014394_Topic) | The type mapping |

## See Also

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.SQLiteHelper Methods

The [SQLiteHelper](#_8952F9D0_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetDbType](#_56B384F3_Topic) | Gets the type of the database. |
| Public methodStatic member | [GetNativeType](#_7AB090F1_Topic) | Gets the type of the native. |
| Public methodStatic member | [GetSQLiteColumn](#_73DE725F_Topic) | Gets the sq lite column. |
| Public methodStatic member | [GetSQLiteParameter](#_A37D018_Topic) | Gets the sq lite parameter. |

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.GetDbType Method

Gets the type of the database.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static DbType GetDbType(  string strSqlType ) |

#### Parameters

strSqlType

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Type of the string SQL.

#### Return Value

Type: [DbType](http://msdn2.microsoft.com/en-us/library/fhkx04c4)

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.GetNativeType Method

Gets the type of the native.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Type GetNativeType(  string strSqlType ) |

#### Parameters

strSqlType

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Type of the string SQL.

#### Return Value

Type: [Type](http://msdn2.microsoft.com/en-us/library/42892f65)

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.GetSQLiteColumn Method

Gets the sq lite column.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetSQLiteColumn(  Type t ) |

#### Parameters

t

Type: [System.Type](http://msdn2.microsoft.com/en-us/library/42892f65)

The t.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.GetSQLiteParameter Method

Gets the sq lite parameter.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static SQLiteParameter GetSQLiteParameter(  PropertyInfo pi ) |

#### Parameters

pi

Type: [System.Reflection.PropertyInfo](http://msdn2.microsoft.com/en-us/library/8z852kf5)

The pi.

#### Return Value

Type: **SQLiteParameter**

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.SQLiteHelper Fields

The [SQLiteHelper](#_8952F9D0_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [TypeMapping](#_20014394_Topic) | The type mapping |

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteHelper.TypeMapping Field

The type mapping

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Dictionary<Type, Tuple<string, DbType, bool>> TypeMapping |

#### Field Value

Type: [Dictionary](http://msdn2.microsoft.com/en-us/library/xfhwa508)([Type](http://msdn2.microsoft.com/en-us/library/42892f65), [Tuple](http://msdn2.microsoft.com/en-us/library/dd387150)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf), [DbType](http://msdn2.microsoft.com/en-us/library/fhkx04c4), [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)))

## See Also

[SQLiteHelper Class](#_8952F9D0_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Database.SQLite.SQLiteMemoryDatabase

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class SQLiteMemoryDatabase : IDisposable |

The **SQLiteMemoryDatabase** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [SQLiteMemoryDatabase](#_B51546D9_Topic) | Initializes a new instance of the **SQLiteMemoryDatabase** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Connection](#_59B55DBF_Topic) | Gets the connection. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Dispose](#_76515C72_Topic) | Führt anwendungsspezifische Aufgaben durch, die mit der Freigabe, der Zurückgabe oder dem Zurücksetzen von nicht verwalteten Ressourcen zusammenhängen. |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Finalize](#_215277B2_Topic) | Finalizes an instance of the **SQLiteMemoryDatabase** class. (Overrides [Object.Finalize()](http://msdn2.microsoft.com/en-us/library/4k87zsw7).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Load(FileInfo)](#_C3FFFD6_Topic) | Loads the specified fi. |
| Public method | [Load(String)](#_53F7D312_Topic) | Loads the specified string filename. |
| Public method | [Save(FileInfo, Boolean, Boolean)](#_91888B35_Topic) | Saves the specified fi. |
| Public method | [Save(String, Boolean, Boolean)](#_4C525DB1_Topic) | Saves the specified string filename. |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(SQLiteMemoryDatabase to SQLiteConnection)](#_88D829C8_Topic) | Performs an implicit conversion from **SQLiteMemoryDatabase** to **SQLiteConnection**. |

## See Also

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

[System.IDisposable](http://msdn2.microsoft.com/en-us/library/aax125c9)

# SQLiteMemoryDatabase Constructor

Initializes a new instance of the [SQLiteMemoryDatabase](#_71D481EC_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public SQLiteMemoryDatabase() |

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.SQLiteMemoryDatabase Properties

The [SQLiteMemoryDatabase](#_71D481EC_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Connection](#_59B55DBF_Topic) | Gets the connection. |

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Connection Property

Gets the connection.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public SQLiteConnection Connection { get; } |

#### Property Value

Type: **SQLiteConnection**  
The connection.

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.SQLiteMemoryDatabase Methods

The [SQLiteMemoryDatabase](#_71D481EC_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Dispose](#_76515C72_Topic) | Führt anwendungsspezifische Aufgaben durch, die mit der Freigabe, der Zurückgabe oder dem Zurücksetzen von nicht verwalteten Ressourcen zusammenhängen. |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Finalize](#_215277B2_Topic) | Finalizes an instance of the [SQLiteMemoryDatabase](#_71D481EC_Topic) class. (Overrides [Object.Finalize()](http://msdn2.microsoft.com/en-us/library/4k87zsw7).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Load(FileInfo)](#_C3FFFD6_Topic) | Loads the specified fi. |
| Public method | [Load(String)](#_53F7D312_Topic) | Loads the specified string filename. |
| Public method | [Save(FileInfo, Boolean, Boolean)](#_91888B35_Topic) | Saves the specified fi. |
| Public method | [Save(String, Boolean, Boolean)](#_4C525DB1_Topic) | Saves the specified string filename. |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Dispose Method

Führt anwendungsspezifische Aufgaben durch, die mit der Freigabe, der Zurückgabe oder dem Zurücksetzen von nicht verwalteten Ressourcen zusammenhängen.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public void Dispose() |

#### Implements

[IDisposable.Dispose()](http://msdn2.microsoft.com/en-us/library/es4s3w1d)

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Finalize Method

Finalizes an instance of the [SQLiteMemoryDatabase](#_71D481EC_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| protected override void Finalize() |

#### Implements

[Object.Finalize()](http://msdn2.microsoft.com/en-us/library/4k87zsw7)

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Load Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Load(FileInfo)](#_C3FFFD6_Topic) | Loads the specified fi. |
| Public method | [Load(String)](#_53F7D312_Topic) | Loads the specified string filename. |

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Load Method (FileInfo)

Loads the specified fi.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public bool Load(  FileInfo fi ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[Load Overload](#_7E5CCB58_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Load Method (String)

Loads the specified string filename.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public bool Load(  string strFilename ) |

#### Parameters

strFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string filename.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[Load Overload](#_7E5CCB58_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Save Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Save(FileInfo, Boolean, Boolean)](#_91888B35_Topic) | Saves the specified fi. |
| Public method | [Save(String, Boolean, Boolean)](#_4C525DB1_Topic) | Saves the specified string filename. |

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Save Method (FileInfo, Boolean, Boolean)

Saves the specified fi.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public bool Save(  FileInfo fi,  bool bOverWrite = true,  bool bCleanWrite = true ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

bOverWrite (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b over write].

bCleanWrite (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b clean write].

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[Save Overload](#_3FE87F0A_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.Save Method (String, Boolean, Boolean)

Saves the specified string filename.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public bool Save(  string strFilename,  bool bOverWrite = true,  bool bCleanWrite = true ) |

#### Parameters

strFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string filename.

bOverWrite (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b over write].

bCleanWrite (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b clean write].

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[Save Overload](#_3FE87F0A_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase.SQLiteMemoryDatabase Type Conversions

The [SQLiteMemoryDatabase](#_71D481EC_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(SQLiteMemoryDatabase to SQLiteConnection)](#_88D829C8_Topic) | Performs an implicit conversion from [SQLiteMemoryDatabase](#_71D481EC_Topic) to **SQLiteConnection**. |

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SQLiteMemoryDatabase Implicit Conversion (SQLiteMemoryDatabase to SQLiteConnection)

Performs an implicit conversion from [SQLiteMemoryDatabase](#_71D481EC_Topic) to **SQLiteConnection**.

**Namespace:** [SIGENCEScenarioTool.Database.SQLite](#_DC97FA6E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator SQLiteConnection (  SQLiteMemoryDatabase memdb ) |

#### Parameters

memdb

Type: [SIGENCEScenarioTool.Database.SQLite.SQLiteMemoryDatabase](#_71D481EC_Topic)

The memdb.

#### Return Value

Type: **SQLiteConnection**  
The result of the conversion.

## See Also

[SQLiteMemoryDatabase Class](#_71D481EC_Topic)

[SIGENCEScenarioTool.Database.SQLite Namespace](#_DC97FA6E_Topic)

# SIGENCEScenarioTool.Datatypes Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [DataTypeBase(T)](#_8D41A27D_Topic) |  |
| Public class | [UnitPrefix](#_14094BDB_Topic) |  |
| Public class | [UnitPrefixs](#_7A31796F_Topic) |  |

# DataTypeBase(T) Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Datatypes.DataTypeBase(T)  
    [SIGENCEScenarioTool.Datatypes.Geo.Altitude](#_6A9A61AE_Topic)  
    [SIGENCEScenarioTool.Datatypes.Geo.Latitude](#_6A3D60D3_Topic)  
    [SIGENCEScenarioTool.Datatypes.Geo.Longitude](#_77376669_Topic)  
    [SIGENCEScenarioTool.Datatypes.Physically.Bandwidth](#_A7A6A49B_Topic)  
    [SIGENCEScenarioTool.Datatypes.Physically.Frequency](#_90ACF8AA_Topic)  
    [SIGENCEScenarioTool.Datatypes.Physically.Gain](#_C8F28179_Topic)  
    [SIGENCEScenarioTool.Datatypes.Physically.SignalToNoiseRatio](#_9D2108AA_Topic)

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public abstract class DataTypeBase<T> where T : Object, IComparable<T>, IEquatable<T> |

#### Type Parameters

T

The DataTypeBase(T) type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [DataTypeBase(T)](#_8A0E7AD2_Topic) | Initializes a new instance of the DataTypeBase(T) class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_9CC471E5_Topic) | Returns true if the value is valid, false when he is invalid and null when it is not neccery to check it or not implemented. |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](#_8CEC4468_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [Object.ToString()](http://msdn2.microsoft.com/en-us/library/7bxwbwt2).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(DataTypeBase(T)to T)](#_DB1FCCD_Topic) | Liefert den Wert als den generischen Typ zurück. |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected fieldStatic member | [CULTUREINFO](#_C5484F0F_Topic) | The ci |

## See Also

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T) Constructor

Initializes a new instance of the [DataTypeBase(T)](#_8D41A27D_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public DataTypeBase(  T value ) |

#### Parameters

value

Type: [T](#_8D41A27D_Topic)

The value.

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).DataTypeBase(T) Properties

The [DataTypeBase(T)](#_8D41A27D_Topic) generic type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. |

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).Value Property

Gets or sets the value.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public T Value { get; set; } |

#### Property Value

Type: [T](#_8D41A27D_Topic)  
The value in it's default SI Einheit.

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).DataTypeBase(T) Methods

The [DataTypeBase(T)](#_8D41A27D_Topic) generic type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_9CC471E5_Topic) | Returns true if the value is valid, false when he is invalid and null when it is not neccery to check it or not implemented. |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](#_8CEC4468_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [Object.ToString()](http://msdn2.microsoft.com/en-us/library/7bxwbwt2).) |

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).IsValid Method

Returns true if the value is valid, false when he is invalid and null when it is not neccery to check it or not implemented.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public abstract Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## Remarks

This Funktion Is For The Future And Get Currently Not Evaluated Anywhere, So Devired Class Should Throw A NotImplementedException

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).DataTypeBase(T) Type Conversions

The [DataTypeBase(T)](#_8D41A27D_Topic) generic type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(DataTypeBase(T)to T)](#_DB1FCCD_Topic) | Liefert den Wert als den generischen Typ zurück. |

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T) Implicit Conversion (DataTypeBase(T) to T)

Liefert den Wert als den generischen Typ zurück.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator T (  DataTypeBase<T> apb ) |

#### Parameters

apb

Type: [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([T](#_8D41A27D_Topic))

The apb.

#### Return Value

Type: [T](#_8D41A27D_Topic)  
The result of the conversion.

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).DataTypeBase(T) Fields

The [DataTypeBase(T)](#_8D41A27D_Topic) generic type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected fieldStatic member | [CULTUREINFO](#_C5484F0F_Topic) | The ci |

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# DataTypeBase(T).CULTUREINFO Field

The ci

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| protected static readonly CultureInfo CULTUREINFO |

#### Field Value

Type: [CultureInfo](http://msdn2.microsoft.com/en-us/library/kx54z3k7)

## See Also

[DataTypeBase(T)Class](#_8D41A27D_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Datatypes.UnitPrefix

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class UnitPrefix |

The **UnitPrefix** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [UnitPrefix](#_5F1DB939_Topic) | Initializes a new instance of the **UnitPrefix** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Factor](#_D23600C3_Topic) | Gets or sets the factor. |
| Public property | [Name](#_B449B8D7_Topic) | Gets or sets the name. |
| Public property | [Symbol](#_3E2CCCEB_Topic) | Gets or sets the symbol. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix Constructor

Initializes a new instance of the [UnitPrefix](#_14094BDB_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public UnitPrefix(  string strName,  string strSymbol,  double dFactor ) |

#### Parameters

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

strSymbol

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string symblo.

dFactor

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The d factor.

## See Also

[UnitPrefix Class](#_14094BDB_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix.UnitPrefix Properties

The [UnitPrefix](#_14094BDB_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Factor](#_D23600C3_Topic) | Gets or sets the factor. |
| Public property | [Name](#_B449B8D7_Topic) | Gets or sets the name. |
| Public property | [Symbol](#_3E2CCCEB_Topic) | Gets or sets the symbol. |

## See Also

[UnitPrefix Class](#_14094BDB_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix.Factor Property

Gets or sets the factor.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double Factor { get; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)  
The factor.

## See Also

[UnitPrefix Class](#_14094BDB_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix.Name Property

Gets or sets the name.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Name { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The name.

## See Also

[UnitPrefix Class](#_14094BDB_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix.Symbol Property

Gets or sets the symbol.

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Symbol { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The symbol.

## See Also

[UnitPrefix Class](#_14094BDB_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefix.UnitPrefix Methods

The [UnitPrefix](#_14094BDB_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[UnitPrefix Class](#_14094BDB_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Datatypes.UnitPrefixs

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class UnitPrefixs |

The **UnitPrefixs** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [UnitPrefixs](#_826F3A2B_Topic) | Initializes a new instance of the **UnitPrefixs** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [Atto](#_DA634DB4_Topic) | The atto |
| Public fieldStatic member | [Default](#_C899BA3A_Topic) | The default |
| Public fieldStatic member | [Exa](#_14C4B0F_Topic) | The exa |
| Public fieldStatic member | [Femto](#_5DF92776_Topic) | The femto |
| Public fieldStatic member | [Giga](#_9C761DB_Topic) | The giga |
| Public fieldStatic member | [Kilo](#_C51AA8D6_Topic) | The kilo |
| Public fieldStatic member | [Mega](#_9C361D1_Topic) | The mega |
| Public fieldStatic member | [Mikro](#_72C7E161_Topic) | The mikro |
| Public fieldStatic member | [Milli](#_16FDB12A_Topic) | The milli |
| Public fieldStatic member | [Nano](#_A61920F_Topic) | The nano |
| Public fieldStatic member | [Peta](#_4C444DC3_Topic) | The peta |
| Public fieldStatic member | [Piko](#_37AED928_Topic) | The piko |
| Public fieldStatic member | [Tera](#_1C310969_Topic) | The tera |

## See Also

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs Constructor

Initializes a new instance of the [UnitPrefixs](#_7A31796F_Topic) class

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public UnitPrefixs() |

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.UnitPrefixs Methods

The [UnitPrefixs](#_7A31796F_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.UnitPrefixs Fields

The [UnitPrefixs](#_7A31796F_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [Atto](#_DA634DB4_Topic) | The atto |
| Public fieldStatic member | [Default](#_C899BA3A_Topic) | The default |
| Public fieldStatic member | [Exa](#_14C4B0F_Topic) | The exa |
| Public fieldStatic member | [Femto](#_5DF92776_Topic) | The femto |
| Public fieldStatic member | [Giga](#_9C761DB_Topic) | The giga |
| Public fieldStatic member | [Kilo](#_C51AA8D6_Topic) | The kilo |
| Public fieldStatic member | [Mega](#_9C361D1_Topic) | The mega |
| Public fieldStatic member | [Mikro](#_72C7E161_Topic) | The mikro |
| Public fieldStatic member | [Milli](#_16FDB12A_Topic) | The milli |
| Public fieldStatic member | [Nano](#_A61920F_Topic) | The nano |
| Public fieldStatic member | [Peta](#_4C444DC3_Topic) | The peta |
| Public fieldStatic member | [Piko](#_37AED928_Topic) | The piko |
| Public fieldStatic member | [Tera](#_1C310969_Topic) | The tera |

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Atto Field

The atto

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Atto |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Default Field

The default

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Default |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Exa Field

The exa

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Exa |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Femto Field

The femto

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Femto |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Giga Field

The giga

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Giga |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Kilo Field

The kilo

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Kilo |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Mega Field

The mega

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Mega |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Mikro Field

The mikro

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Mikro |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Milli Field

The milli

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Milli |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Nano Field

The nano

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Nano |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Peta Field

The peta

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Peta |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Piko Field

The piko

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Piko |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# UnitPrefixs.Tera Field

The tera

**Namespace:** [SIGENCEScenarioTool.Datatypes](#_EE9558FC_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly UnitPrefix Tera |

#### Field Value

Type: [UnitPrefix](#_14094BDB_Topic)

## See Also

[UnitPrefixs Class](#_7A31796F_Topic)

[SIGENCEScenarioTool.Datatypes Namespace](#_EE9558FC_Topic)

# SIGENCEScenarioTool.Datatypes.Geo Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [Altitude](#_6A9A61AE_Topic) |  |
| Public class | [GeoNode](#_4B703015_Topic) |  |
| Public class | [GeoNodeCollection](#_2B8668BD_Topic) |  |
| Public class | [Latitude](#_6A3D60D3_Topic) |  |
| Public class | [Longitude](#_77376669_Topic) |  |

# Altitude Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))  
    SIGENCEScenarioTool.Datatypes.Geo.Altitude

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Altitude : DataTypeBase<int> |

The **Altitude** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Altitude](#_F4DD622A_Topic) | Initializes a new instance of the **Altitude** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_23CFB61D_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_8CEC4468_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Int32 to Altitude)](#_5A780CFE_Topic) | Performs an implicit conversion from [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d) to **Altitude**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<int>]**

# Altitude Constructor

Initializes a new instance of the [Altitude](#_6A9A61AE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Altitude(  int value ) |

#### Parameters

value

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The value.

## See Also

[Altitude Class](#_6A9A61AE_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Altitude.Altitude Properties

The [Altitude](#_6A9A61AE_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Altitude Class](#_6A9A61AE_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Altitude.Altitude Methods

The [Altitude](#_6A9A61AE_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_23CFB61D_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_8CEC4468_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Altitude Class](#_6A9A61AE_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Altitude.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[Altitude Class](#_6A9A61AE_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Altitude.Altitude Type Conversions

The [Altitude](#_6A9A61AE_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Int32 to Altitude)](#_5A780CFE_Topic) | Performs an implicit conversion from [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d) to [Altitude](#_6A9A61AE_Topic). |

## See Also

[Altitude Class](#_6A9A61AE_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Altitude Implicit Conversion (Int32 to Altitude)

Performs an implicit conversion from [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d) to [Altitude](#_6A9A61AE_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator Altitude (  int value ) |

#### Parameters

value

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The value.

#### Return Value

Type: [Altitude](#_6A9A61AE_Topic)  
The result of the conversion.

## See Also

[Altitude Class](#_6A9A61AE_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Datatypes.Geo.GeoNode

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class GeoNode |

The **GeoNode** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [GeoNode](#_6489A0AA_Topic) | Initializes a new instance of the **GeoNode** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Latitude](#_58A1D72B_Topic) | Gets or sets the latitude. |
| Public property | [Longitude](#_926041B3_Topic) | Gets or sets the longitude. |
| Public property | [Name](#_216749F0_Topic) | Gets or sets the name. |
| Public property | [NodeId](#_CBDD437E_Topic) | Gets or sets the node identifier. |
| Public property | [Position](#_1ED0D32F_Topic) | Gets the position. |
| Public property | [Tag](#_838D05A8_Topic) | Gets or sets the tag. |
| Public property | [Value](#_6D77A1B2_Topic) | Gets or sets the value. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode Constructor

Initializes a new instance of the [GeoNode](#_4B703015_Topic) class

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoNode() |

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.GeoNode Properties

The [GeoNode](#_4B703015_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Latitude](#_58A1D72B_Topic) | Gets or sets the latitude. |
| Public property | [Longitude](#_926041B3_Topic) | Gets or sets the longitude. |
| Public property | [Name](#_216749F0_Topic) | Gets or sets the name. |
| Public property | [NodeId](#_CBDD437E_Topic) | Gets or sets the node identifier. |
| Public property | [Position](#_1ED0D32F_Topic) | Gets the position. |
| Public property | [Tag](#_838D05A8_Topic) | Gets or sets the tag. |
| Public property | [Value](#_6D77A1B2_Topic) | Gets or sets the value. |

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.Latitude Property

Gets or sets the latitude.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Latitude Latitude { get; } |

#### Property Value

Type: [Latitude](#_6A3D60D3_Topic)  
The latitude.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.Longitude Property

Gets or sets the longitude.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Longitude Longitude { get; } |

#### Property Value

Type: [Longitude](#_77376669_Topic)  
The longitude.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.Name Property

Gets or sets the name.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Name { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The name.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.NodeId Property

Gets or sets the node identifier.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public long NodeId { get; } |

#### Property Value

Type: [Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek)  
The node identifier.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.Position Property

Gets the position.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public PointLatLng Position { get; } |

#### Property Value

Type: **PointLatLng**  
The position.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.Tag Property

Gets or sets the tag.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoTag Tag { get; } |

#### Property Value

Type: [GeoTag](#_A0CA15FA_Topic)  
The tag.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.Value Property

Gets or sets the value.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Value { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The value.

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNode.GeoNode Methods

The [GeoNode](#_4B703015_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[GeoNode Class](#_4B703015_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNodeCollection Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.ObjectModel.Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic))  
    [System.Collections.ObjectModel.ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([GeoNode](#_4B703015_Topic))  
      SIGENCEScenarioTool.Datatypes.Geo.GeoNodeCollection

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class GeoNodeCollection : ObservableCollection<GeoNode> |

The **GeoNodeCollection** type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/ms132433) | Gets the number of elements actually contained in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/ms132434) | Gets or sets the element at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/ms132404) | Adds an object to the end of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/ms132405) | Removes all elements from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/ms132407) | Determines whether an element is in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/ms132408) | Copies the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) to a compatible one-dimensional [Array](http://msdn2.microsoft.com/en-us/library/czz5hkty), starting at the specified index of the target array. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public methodStatic member | [GetCollection](#_CCAF4C24_Topic) | Gets the collection. |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms132409) | Returns an enumerator that iterates through the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf](http://msdn2.microsoft.com/en-us/library/ms132410) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/ms132411) | Inserts an element into the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Move](http://msdn2.microsoft.com/en-us/library/ms654933) | Moves the item at the specified index to a new location in the collection. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/ms132413) | Removes the first occurrence of a specific object from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/ms132414) | Removes the element at the specified index of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [CollectionChanged](http://msdn2.microsoft.com/en-us/library/ms653375) | Occurs when an item is added, removed, changed, moved, or the entire list is refreshed. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([GeoNode](#_4B703015_Topic)).) |

## See Also

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

**[!:System.Collections.ObjectModel.ObservableCollection<SIGENCEScenarioTool.Models.Database.GeoDb.GeoNode>]**

# GeoNodeCollection.GeoNodeCollection Properties

The [GeoNodeCollection](#_2B8668BD_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/ms132433) | Gets the number of elements actually contained in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/ms132434) | Gets or sets the element at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |

## See Also

[GeoNodeCollection Class](#_2B8668BD_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNodeCollection.GeoNodeCollection Methods

The [GeoNodeCollection](#_2B8668BD_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/ms132404) | Adds an object to the end of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/ms132405) | Removes all elements from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/ms132407) | Determines whether an element is in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/ms132408) | Copies the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) to a compatible one-dimensional [Array](http://msdn2.microsoft.com/en-us/library/czz5hkty), starting at the specified index of the target array. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public methodStatic member | [GetCollection](#_CCAF4C24_Topic) | Gets the collection. |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms132409) | Returns an enumerator that iterates through the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf](http://msdn2.microsoft.com/en-us/library/ms132410) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/ms132411) | Inserts an element into the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Move](http://msdn2.microsoft.com/en-us/library/ms654933) | Moves the item at the specified index to a new location in the collection. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([GeoNode](#_4B703015_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/ms132413) | Removes the first occurrence of a specific object from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/ms132414) | Removes the element at the specified index of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([GeoNode](#_4B703015_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[GeoNodeCollection Class](#_2B8668BD_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNodeCollection.GetCollection Method

Gets the collection.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static GeoNodeCollection GetCollection(  string strDatabaseFilename,  Nullable<GeoTag> geotag = null ) |

#### Parameters

strDatabaseFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string database filename.

geotag (Optional)

Type: [System.Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([GeoTag](#_A0CA15FA_Topic))

The geotag.

#### Return Value

Type: [GeoNodeCollection](#_2B8668BD_Topic)

## Exceptions

|  |  |
| --- | --- |
| Exception | Condition |
| [ArgumentException](http://msdn2.microsoft.com/en-us/library/3w1b3114) | The parameter should not be empty! - strDatabaseFilename |
| [FileNotFoundException](http://msdn2.microsoft.com/en-us/library/dzyy5k3x) | The database can't not be found! |

## See Also

[GeoNodeCollection Class](#_2B8668BD_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# GeoNodeCollection.GeoNodeCollection Events

The [GeoNodeCollection](#_2B8668BD_Topic) type exposes the following members.

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [CollectionChanged](http://msdn2.microsoft.com/en-us/library/ms653375) | Occurs when an item is added, removed, changed, moved, or the entire list is refreshed. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([GeoNode](#_4B703015_Topic)).) |

## See Also

[GeoNodeCollection Class](#_2B8668BD_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))  
    SIGENCEScenarioTool.Datatypes.Geo.Latitude

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Latitude : DataTypeBase<double> |

The **Latitude** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Latitude](#_600C1DAA_Topic) | Initializes a new instance of the **Latitude** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_9242719D_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_E47D4AB5_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Latitude)](#_A786386C_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to **Latitude**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<double>]**

# Latitude Constructor

Initializes a new instance of the [Latitude](#_6A3D60D3_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Latitude(  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude.Latitude Properties

The [Latitude](#_6A3D60D3_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude.Latitude Methods

The [Latitude](#_6A3D60D3_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_9242719D_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_E47D4AB5_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude.Latitude Type Conversions

The [Latitude](#_6A3D60D3_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Latitude)](#_A786386C_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Latitude](#_6A3D60D3_Topic). |

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Latitude Implicit Conversion (Double to Latitude)

Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Latitude](#_6A3D60D3_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator Latitude (  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

#### Return Value

Type: [Latitude](#_6A3D60D3_Topic)  
The result of the conversion.

## See Also

[Latitude Class](#_6A3D60D3_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))  
    SIGENCEScenarioTool.Datatypes.Geo.Longitude

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Longitude : DataTypeBase<double> |

The **Longitude** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Longitude](#_3A87C356_Topic) | Initializes a new instance of the **Longitude** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_4804CA49_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_AABC2FF3_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Longitude)](#_FF8FB33_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to **Longitude**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<double>]**

# Longitude Constructor

Initializes a new instance of the [Longitude](#_77376669_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Longitude(  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude.Longitude Properties

The [Longitude](#_77376669_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude.Longitude Methods

The [Longitude](#_77376669_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_4804CA49_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_AABC2FF3_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude.Longitude Type Conversions

The [Longitude](#_77376669_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Longitude)](#_FF8FB33_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Longitude](#_77376669_Topic). |

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# Longitude Implicit Conversion (Double to Longitude)

Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Longitude](#_77376669_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Geo](#_D07F84E6_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator Longitude (  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

#### Return Value

Type: [Longitude](#_77376669_Topic)  
The result of the conversion.

## See Also

[Longitude Class](#_77376669_Topic)

[SIGENCEScenarioTool.Datatypes.Geo Namespace](#_D07F84E6_Topic)

# SIGENCEScenarioTool.Datatypes.Observable Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [ObservableStringCollection](#_1352CBA3_Topic) |  |

# ObservableStringCollection Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.ObjectModel.Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))  
    [System.Collections.ObjectModel.ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))  
      SIGENCEScenarioTool.Datatypes.Observable.ObservableStringCollection

**Namespace:** [SIGENCEScenarioTool.Datatypes.Observable](#_E7BD8A41_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class ObservableStringCollection : ObservableCollection<string> |

The **ObservableStringCollection** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [ObservableStringCollection](#_36F4D72_Topic) | Initializes a new instance of the **ObservableStringCollection** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/ms132433) | Gets the number of elements actually contained in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/ms132434) | Gets or sets the element at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/ms132404) | Adds an object to the end of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/ms132405) | Removes all elements from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/ms132407) | Determines whether an element is in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/ms132408) | Copies the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) to a compatible one-dimensional [Array](http://msdn2.microsoft.com/en-us/library/czz5hkty), starting at the specified index of the target array. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms132409) | Returns an enumerator that iterates through the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf](http://msdn2.microsoft.com/en-us/library/ms132410) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/ms132411) | Inserts an element into the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Move](http://msdn2.microsoft.com/en-us/library/ms654933) | Moves the item at the specified index to a new location in the collection. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/ms132413) | Removes the first occurrence of a specific object from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/ms132414) | Removes the element at the specified index of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [CollectionChanged](http://msdn2.microsoft.com/en-us/library/ms653375) | Occurs when an item is added, removed, changed, moved, or the entire list is refreshed. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## See Also

[SIGENCEScenarioTool.Datatypes.Observable Namespace](#_E7BD8A41_Topic)

**[!:System.Collections.ObjectModel.ObservableCollection<System.String>]**

# ObservableStringCollection Constructor

Initializes a new instance of the [ObservableStringCollection](#_1352CBA3_Topic) class

**Namespace:** [SIGENCEScenarioTool.Datatypes.Observable](#_E7BD8A41_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public ObservableStringCollection() |

## See Also

[ObservableStringCollection Class](#_1352CBA3_Topic)

[SIGENCEScenarioTool.Datatypes.Observable Namespace](#_E7BD8A41_Topic)

# ObservableStringCollection.ObservableStringCollection Properties

The [ObservableStringCollection](#_1352CBA3_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/ms132433) | Gets the number of elements actually contained in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/ms132434) | Gets or sets the element at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## See Also

[ObservableStringCollection Class](#_1352CBA3_Topic)

[SIGENCEScenarioTool.Datatypes.Observable Namespace](#_E7BD8A41_Topic)

# ObservableStringCollection.ObservableStringCollection Methods

The [ObservableStringCollection](#_1352CBA3_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/ms132404) | Adds an object to the end of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/ms132405) | Removes all elements from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/ms132407) | Determines whether an element is in the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/ms132408) | Copies the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) to a compatible one-dimensional [Array](http://msdn2.microsoft.com/en-us/library/czz5hkty), starting at the specified index of the target array. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms132409) | Returns an enumerator that iterates through the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf](http://msdn2.microsoft.com/en-us/library/ms132410) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/ms132411) | Inserts an element into the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397) at the specified index. (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Move](http://msdn2.microsoft.com/en-us/library/ms654933) | Moves the item at the specified index to a new location in the collection. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/ms132413) | Removes the first occurrence of a specific object from the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/ms132414) | Removes the element at the specified index of the [Collection(T)](http://msdn2.microsoft.com/en-us/library/ms132397). (Inherited from [Collection](http://msdn2.microsoft.com/en-us/library/ms132397)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[ObservableStringCollection Class](#_1352CBA3_Topic)

[SIGENCEScenarioTool.Datatypes.Observable Namespace](#_E7BD8A41_Topic)

# ObservableStringCollection.ObservableStringCollection Events

The [ObservableStringCollection](#_1352CBA3_Topic) type exposes the following members.

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [CollectionChanged](http://msdn2.microsoft.com/en-us/library/ms653375) | Occurs when an item is added, removed, changed, moved, or the entire list is refreshed. (Inherited from [ObservableCollection](http://msdn2.microsoft.com/en-us/library/ms668604)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## See Also

[ObservableStringCollection Class](#_1352CBA3_Topic)

[SIGENCEScenarioTool.Datatypes.Observable Namespace](#_E7BD8A41_Topic)

# SIGENCEScenarioTool.Datatypes.Physically Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [Bandwidth](#_A7A6A49B_Topic) |  |
| Public class | [Frequency](#_90ACF8AA_Topic) |  |
| Public class | [Gain](#_C8F28179_Topic) |  |
| Public class | [SignalToNoiseRatio](#_9D2108AA_Topic) |  |

# Bandwidth Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))  
    SIGENCEScenarioTool.Datatypes.Physically.Bandwidth

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Bandwidth : DataTypeBase<double> |

The **Bandwidth** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Bandwidth](#_801DE674_Topic) | Initializes a new instance of the **Bandwidth** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_CF48013A_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_405CEF70_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Bandwidth)](#_691F9F5_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to **Bandwidth**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<System.Double>]**

# Bandwidth Constructor

Initializes a new instance of the [Bandwidth](#_A7A6A49B_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Bandwidth(  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Bandwidth.Bandwidth Properties

The [Bandwidth](#_A7A6A49B_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Bandwidth.Bandwidth Methods

The [Bandwidth](#_A7A6A49B_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_CF48013A_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_405CEF70_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Bandwidth.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Bandwidth.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Bandwidth.Bandwidth Type Conversions

The [Bandwidth](#_A7A6A49B_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Bandwidth)](#_691F9F5_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Bandwidth](#_A7A6A49B_Topic). |

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Bandwidth Implicit Conversion (Double to Bandwidth)

Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Bandwidth](#_A7A6A49B_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator Bandwidth (  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

#### Return Value

Type: [Bandwidth](#_A7A6A49B_Topic)  
The result of the conversion.

## See Also

[Bandwidth Class](#_A7A6A49B_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))  
    SIGENCEScenarioTool.Datatypes.Physically.Frequency

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Frequency : DataTypeBase<double> |

The **Frequency** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Frequency](#_7A19AA82_Topic) | Initializes a new instance of the **Frequency** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_4C91D745_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_C465D9A6_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Frequency)](#_440A2524_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to **Frequency**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<System.Double>]**

# Frequency Constructor

Initializes a new instance of the [Frequency](#_90ACF8AA_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Frequency(  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency.Frequency Properties

The [Frequency](#_90ACF8AA_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency.Frequency Methods

The [Frequency](#_90ACF8AA_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_4C91D745_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_C465D9A6_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency.Frequency Type Conversions

The [Frequency](#_90ACF8AA_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Frequency)](#_440A2524_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Frequency](#_90ACF8AA_Topic). |

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Frequency Implicit Conversion (Double to Frequency)

Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Frequency](#_90ACF8AA_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator Frequency (  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

#### Return Value

Type: [Frequency](#_90ACF8AA_Topic)  
The result of the conversion.

## See Also

[Frequency Class](#_90ACF8AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))  
    SIGENCEScenarioTool.Datatypes.Physically.Gain

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Gain : DataTypeBase<double> |

The **Gain** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Gain](#_88C8B00C_Topic) | Initializes a new instance of the **Gain** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_2926BB18_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_795C09DE_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Gain)](#_D6FE8E2E_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to **Gain**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<System.Double>]**

# Gain Constructor

Initializes a new instance of the [Gain](#_C8F28179_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Gain(  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain.Gain Properties

The [Gain](#_C8F28179_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain.Gain Methods

The [Gain](#_C8F28179_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_2926BB18_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_795C09DE_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain.Gain Type Conversions

The [Gain](#_C8F28179_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to Gain)](#_D6FE8E2E_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Gain](#_C8F28179_Topic). |

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# Gain Implicit Conversion (Double to Gain)

Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [Gain](#_C8F28179_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator Gain (  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

#### Return Value

Type: [Gain](#_C8F28179_Topic)  
The result of the conversion.

## See Also

[Gain Class](#_C8F28179_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Datatypes.DataTypeBase](#_8D41A27D_Topic)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))  
    SIGENCEScenarioTool.Datatypes.Physically.SignalToNoiseRatio

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class SignalToNoiseRatio : DataTypeBase<double> |

The **SignalToNoiseRatio** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [SignalToNoiseRatio](#_F952EF78_Topic) | Initializes a new instance of the **SignalToNoiseRatio** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_DAD91D28_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_6DB9126E_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to SignalToNoiseRatio)](#_B6F1871D_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to **SignalToNoiseRatio**. |

## See Also

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

**[!:SIGENCEScenarioTool.Datatypes.DataTypeBase<System.Double>]**

# SignalToNoiseRatio Constructor

Initializes a new instance of the [SignalToNoiseRatio](#_9D2108AA_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public SignalToNoiseRatio(  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio.SignalToNoiseRatio Properties

The [SignalToNoiseRatio](#_9D2108AA_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Value](#_B6D1F1CC_Topic) | Gets or sets the value. (Inherited from [DataTypeBase(T)](#_8D41A27D_Topic).) |

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio.SignalToNoiseRatio Methods

The [SignalToNoiseRatio](#_9D2108AA_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IsValid](#_DAD91D28_Topic) | Returns true if ... is valid. (Overrides [DataTypeBase(T).IsValid()](#_9CC471E5_Topic).) |
| Public method | [ToString](#_6DB9126E_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [DataTypeBase(T).ToString()](#_8CEC4468_Topic).) |

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio.IsValid Method

Returns true if ... is valid.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override Nullable<bool> IsValid() |

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))  
true if this instance is valid; otherwise, false.

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio.SignalToNoiseRatio Type Conversions

The [SignalToNoiseRatio](#_9D2108AA_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(Double to SignalToNoiseRatio)](#_B6F1871D_Topic) | Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [SignalToNoiseRatio](#_9D2108AA_Topic). |

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SignalToNoiseRatio Implicit Conversion (Double to SignalToNoiseRatio)

Performs an implicit conversion from [Double](http://msdn2.microsoft.com/en-us/library/643eft0t) to [SignalToNoiseRatio](#_9D2108AA_Topic).

**Namespace:** [SIGENCEScenarioTool.Datatypes.Physically](#_A0B0D309_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator SignalToNoiseRatio (  double value ) |

#### Parameters

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The value.

#### Return Value

Type: [SignalToNoiseRatio](#_9D2108AA_Topic)  
The result of the conversion.

## See Also

[SignalToNoiseRatio Class](#_9D2108AA_Topic)

[SIGENCEScenarioTool.Datatypes.Physically Namespace](#_A0B0D309_Topic)

# SIGENCEScenarioTool.Datatypes.Standard Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [IntegerList](#_36F88CCE_Topic) |  |
| Public class | [StringList](#_996731DE_Topic) |  |

# IntegerList Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))  
    SIGENCEScenarioTool.Datatypes.Standard.IntegerList

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class IntegerList : List<int> |

The **IntegerList** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [IntegerList()](#_DDA636DB_Topic) | Initializes a new instance of the **IntegerList** class. |
| Public method | [IntegerList(IEnumerable(Int32))](#_35CCAD05_Topic) | Initializes a new instance of the **IntegerList** class. |
| Public method | [IntegerList(Int32)](#_AA67AD05_Topic) | Initializes a new instance of the **IntegerList** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Multiply](#_3AD2E5F4_Topic) | Implements the operator \*. |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(Int32)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

**[!:System.Collections.Generic.List<System.Int32>]**

# IntegerList Constructor

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [IntegerList()](#_DDA636DB_Topic) | Initializes a new instance of the [IntegerList](#_36F88CCE_Topic) class. |
| Public method | [IntegerList(IEnumerable(Int32))](#_35CCAD05_Topic) | Initializes a new instance of the [IntegerList](#_36F88CCE_Topic) class. |
| Public method | [IntegerList(Int32)](#_AA67AD05_Topic) | Initializes a new instance of the [IntegerList](#_36F88CCE_Topic) class. |

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList Constructor

Initializes a new instance of the [IntegerList](#_36F88CCE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public IntegerList() |

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[IntegerList Overload](#_340A3E03_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList Constructor (IEnumerable(Int32))

Initializes a new instance of the [IntegerList](#_36F88CCE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public IntegerList(  IEnumerable<int> collection ) |

#### Parameters

collection

Type: [System.Collections.Generic.IEnumerable](http://msdn2.microsoft.com/en-us/library/9eekhta0)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))

Die Auflistung, deren Elemente in die neue Liste kopiert werden.

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[IntegerList Overload](#_340A3E03_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList Constructor (Int32)

Initializes a new instance of the [IntegerList](#_36F88CCE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public IntegerList(  int iSize ) |

#### Parameters

iSize

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Size of the i.

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[IntegerList Overload](#_340A3E03_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList.IntegerList Properties

The [IntegerList](#_36F88CCE_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList.IntegerList Methods

The [IntegerList](#_36F88CCE_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(Int32)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList.IntegerList Operators

The [IntegerList](#_36F88CCE_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Multiply](#_3AD2E5F4_Topic) | Implements the operator \*. |

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# IntegerList.Multiply Operator

Implements the operator \*.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static IntegerList operator \*(  IntegerList ilSource,  int iMultiplier ) |

#### Parameters

ilSource

Type: [SIGENCEScenarioTool.Datatypes.Standard.IntegerList](#_36F88CCE_Topic)

The il source.

iMultiplier

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i multiplier.

#### Return Value

Type: [IntegerList](#_36F88CCE_Topic)  
The result of the operator.

## See Also

[IntegerList Class](#_36F88CCE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))  
    SIGENCEScenarioTool.Datatypes.Standard.StringList

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class StringList : List<string> |

The **StringList** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [StringList()](#_D81053D2_Topic) | Initializes a new instance of the **StringList** class. |
| Public method | [StringList(IEnumerable(String))](#_93B4E735_Topic) | Initializes a new instance of the **StringList** class. |
| Public method | [StringList(Int32)](#_7BAB4506_Topic) | Initializes a new instance of the **StringList** class. |
| Public method | [StringList(String[])](#_D903D06B_Topic) | Initializes a new instance of the **StringList** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(StringList toString[])](#_5C583BBA_Topic) | Performs an implicit conversion from **StringList** to **[!:System.String[]]**. |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(String)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

**[!:System.Collections.Generic.List<System.String>]**

# StringList Constructor

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [StringList()](#_D81053D2_Topic) | Initializes a new instance of the [StringList](#_996731DE_Topic) class. |
| Public method | [StringList(IEnumerable(String))](#_93B4E735_Topic) | Initializes a new instance of the [StringList](#_996731DE_Topic) class. |
| Public method | [StringList(Int32)](#_7BAB4506_Topic) | Initializes a new instance of the [StringList](#_996731DE_Topic) class. |
| Public method | [StringList(String[])](#_D903D06B_Topic) | Initializes a new instance of the [StringList](#_996731DE_Topic) class. |

## See Also

[StringList Class](#_996731DE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList Constructor

Initializes a new instance of the [StringList](#_996731DE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public StringList() |

## See Also

[StringList Class](#_996731DE_Topic)

[StringList Overload](#_72F128C2_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList Constructor (IEnumerable(String))

Initializes a new instance of the [StringList](#_996731DE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public StringList(  IEnumerable<string> collection ) |

#### Parameters

collection

Type: [System.Collections.Generic.IEnumerable](http://msdn2.microsoft.com/en-us/library/9eekhta0)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))

Die Auflistung, deren Elemente in die neue Liste kopiert werden.

## See Also

[StringList Class](#_996731DE_Topic)

[StringList Overload](#_72F128C2_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList Constructor (Int32)

Initializes a new instance of the [StringList](#_996731DE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public StringList(  int iSize ) |

#### Parameters

iSize

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Size of the i.

## See Also

[StringList Class](#_996731DE_Topic)

[StringList Overload](#_72F128C2_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList Constructor (String[])

Initializes a new instance of the [StringList](#_996731DE_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public StringList(  string[] strArray ) |

#### Parameters

strArray

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)[]

The string array.

## See Also

[StringList Class](#_996731DE_Topic)

[StringList Overload](#_72F128C2_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList.StringList Properties

The [StringList](#_996731DE_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## See Also

[StringList Class](#_996731DE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList.StringList Methods

The [StringList](#_996731DE_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(String)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[StringList Class](#_996731DE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList.StringList Type Conversions

The [StringList](#_996731DE_Topic) type exposes the following members.

## Operators

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public operatorStatic member | [Implicit(StringList toString[])](#_5C583BBA_Topic) | Performs an implicit conversion from [StringList](#_996731DE_Topic) to **[!:System.String[]]**. |

## See Also

[StringList Class](#_996731DE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# StringList Implicit Conversion (StringList to String[])

Performs an implicit conversion from [StringList](#_996731DE_Topic) to **[!:System.String[]]**.

**Namespace:** [SIGENCEScenarioTool.Datatypes.Standard](#_9149643B_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static implicit operator string[] (  StringList sl ) |

#### Parameters

sl

Type: [SIGENCEScenarioTool.Datatypes.Standard.StringList](#_996731DE_Topic)

The sl.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)[]  
The result of the conversion.

## See Also

[StringList Class](#_996731DE_Topic)

[SIGENCEScenarioTool.Datatypes.Standard Namespace](#_9149643B_Topic)

# SIGENCEScenarioTool.Extensions Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [ColorExtension](#_820DCDAD_Topic) |  |
| Public class | [DateTimeExtension](#_DBCCAB85_Topic) |  |
| Public class | [DbCommandExtension](#_FE5748BB_Topic) |  |
| Public class | [DictionaryExtension](#_ACA67834_Topic) | Eine Erweiterungsklasse für Dictionary <TKey , TValue> und SortedDictionary<TKey , TValue> . |
| Public class | [FileInfoExtension](#_5CAC1596_Topic) | Eine Erweiterungsklasse für System.IO.FileInfo . |
| Public class | [IDataReaderExtension](#_AB74F295_Topic) |  |
| Public class | [IDbConnectionExtension](#_75D110BD_Topic) |  |
| Public class | [ListExtension](#_CD56FF2D_Topic) |  |
| Public class | [RandomExtension](#_D406B8FD_Topic) | Eine Erweiterungsklasse für System.Random . |
| Public class | [SQLiteExtension](#_D75A4EF2_Topic) |  |
| Public class | [StringBuilderExtension](#_2DC53BAA_Topic) |  |
| Public class | [StringExtension](#_C8D711A9_Topic) | Eine Erweiterungsklasse für unseren lieblichen String. |
| Public class | [TimeSpanExtension](#_2C8B03E2_Topic) |  |
| Public class | [TypeExtension](#_9A730ED4_Topic) |  |
| Public class | [XElementExtension](#_69AF9305_Topic) |  |

# ColorExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.ColorExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class ColorExtension |

The **ColorExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [WithAlpha](#_223BA59B_Topic) | Returns The Color With Changed Alpha Value. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# ColorExtension.ColorExtension Methods

The [ColorExtension](#_820DCDAD_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [WithAlpha](#_223BA59B_Topic) | Returns The Color With Changed Alpha Value. |

## See Also

[ColorExtension Class](#_820DCDAD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# ColorExtension.WithAlpha Method

Returns The Color With Changed Alpha Value.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Color WithAlpha(  this Color color,  byte bAlpha ) |

#### Parameters

color

Type: [System.Windows.Media.Color](http://msdn2.microsoft.com/en-us/library/ms653055)

bAlpha

Type: [System.Byte](http://msdn2.microsoft.com/en-us/library/yyb1w04y)

#### Return Value

Type: [Color](http://msdn2.microsoft.com/en-us/library/ms653055)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Color](http://msdn2.microsoft.com/en-us/library/ms653055). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[ColorExtension Class](#_820DCDAD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.DateTimeExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class DateTimeExtension |

The **DateTimeExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DaysInMonth](#_8388B0DB_Topic) | Dayses the in month. |
| Public methodStatic member | [Fmt\_DD\_MM\_YYYY](#_A88742C5_Topic) | dd.MM.yyyy |
| Public methodStatic member | [Fmt\_DD\_MM\_YYYY\_HH\_MM](#_57ABB89C_Topic) |  |
| Public methodStatic member | [Fmt\_DD\_MM\_YYYY\_HH\_MM\_SS](#_3F4326F8_Topic) | dd.MM.yyyy, HH:mm:ss |
| Public methodStatic member | [Fmt\_HH\_MM\_SS](#_3A5D4222_Topic) | HH:mm:ss |
| Public methodStatic member | [Fmt\_YYYYMMDD](#_A5ACE5B8_Topic) | yyyyMMdd |
| Public methodStatic member | [Fmt\_YYYYMMDD\_HHMMSS](#_DF84552A_Topic) | yyyyMMdd\_HHmmss |
| Public methodStatic member | [Fmt\_YYYYMMDD\_HHMMSSFFF](#_8B4F4880_Topic) | yyyyMMdd\_HHmmssfff |
| Public methodStatic member | [Fmt\_YYYYMMDDHHMMSS](#_6A01552A_Topic) | yyyyMMddHHmmss |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.DateTimeExtension Methods

The [DateTimeExtension](#_DBCCAB85_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DaysInMonth](#_8388B0DB_Topic) | Dayses the in month. |
| Public methodStatic member | [Fmt\_DD\_MM\_YYYY](#_A88742C5_Topic) | dd.MM.yyyy |
| Public methodStatic member | [Fmt\_DD\_MM\_YYYY\_HH\_MM](#_57ABB89C_Topic) |  |
| Public methodStatic member | [Fmt\_DD\_MM\_YYYY\_HH\_MM\_SS](#_3F4326F8_Topic) | dd.MM.yyyy, HH:mm:ss |
| Public methodStatic member | [Fmt\_HH\_MM\_SS](#_3A5D4222_Topic) | HH:mm:ss |
| Public methodStatic member | [Fmt\_YYYYMMDD](#_A5ACE5B8_Topic) | yyyyMMdd |
| Public methodStatic member | [Fmt\_YYYYMMDD\_HHMMSS](#_DF84552A_Topic) | yyyyMMdd\_HHmmss |
| Public methodStatic member | [Fmt\_YYYYMMDD\_HHMMSSFFF](#_8B4F4880_Topic) | yyyyMMdd\_HHmmssfff |
| Public methodStatic member | [Fmt\_YYYYMMDDHHMMSS](#_6A01552A_Topic) | yyyyMMddHHmmss |

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.DaysInMonth Method

Dayses the in month.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static int DaysInMonth(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt.

#### Return Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_DD\_MM\_YYYY Method

dd.MM.yyyy

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_DD\_MM\_YYYY(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_DD\_MM\_YYYY\_HH\_MM Method

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_DD\_MM\_YYYY\_HH\_MM(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_DD\_MM\_YYYY\_HH\_MM\_SS Method

dd.MM.yyyy, HH:mm:ss

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_DD\_MM\_YYYY\_HH\_MM\_SS(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_HH\_MM\_SS Method

HH:mm:ss

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_HH\_MM\_SS(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_YYYYMMDD Method

yyyyMMdd

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_YYYYMMDD(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_YYYYMMDD\_HHMMSS Method

yyyyMMdd\_HHmmss

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_YYYYMMDD\_HHMMSS(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_YYYYMMDD\_HHMMSSFFF Method

yyyyMMdd\_HHmmssfff

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_YYYYMMDD\_HHMMSSFFF(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DateTimeExtension.Fmt\_YYYYMMDDHHMMSS Method

yyyyMMddHHmmss

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Fmt\_YYYYMMDDHHMMSS(  this DateTime dt ) |

#### Parameters

dt

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DateTimeExtension Class](#_DBCCAB85_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DbCommandExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.DbCommandExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class DbCommandExtension |

The **DbCommandExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ResetParameters](#_2476C3A5_Topic) | Set alle Parameters to NULL. |
| Public methodStatic member | [SetNullableParamter(DbCommand, Int32, Object)](#_D0EF6560_Topic) | Sets the nullable paramter. |
| Public methodStatic member | [SetNullableParamter(DbCommand, String, Object)](#_42DD6165_Topic) | Adds the nullable paramter. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DbCommandExtension.DbCommandExtension Methods

The [DbCommandExtension](#_FE5748BB_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ResetParameters](#_2476C3A5_Topic) | Set alle Parameters to NULL. |
| Public methodStatic member | [SetNullableParamter(DbCommand, Int32, Object)](#_D0EF6560_Topic) | Sets the nullable paramter. |
| Public methodStatic member | [SetNullableParamter(DbCommand, String, Object)](#_42DD6165_Topic) | Adds the nullable paramter. |

## See Also

[DbCommandExtension Class](#_FE5748BB_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DbCommandExtension.ResetParameters Method

Set alle Parameters to NULL.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void ResetParameters(  this DbCommand dbCommand ) |

#### Parameters

dbCommand

Type: [System.Data.Common.DbCommand](http://msdn2.microsoft.com/en-us/library/852d01k6)

The database command.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DbCommand](http://msdn2.microsoft.com/en-us/library/852d01k6). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DbCommandExtension Class](#_FE5748BB_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DbCommandExtension.SetNullableParamter Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [SetNullableParamter(DbCommand, Int32, Object)](#_D0EF6560_Topic) | Sets the nullable paramter. |
| Public methodStatic member | [SetNullableParamter(DbCommand, String, Object)](#_42DD6165_Topic) | Adds the nullable paramter. |

## See Also

[DbCommandExtension Class](#_FE5748BB_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DbCommandExtension.SetNullableParamter Method (DbCommand, Int32, Object)

Sets the nullable paramter.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SetNullableParamter(  this DbCommand dbCommand,  int iParameterIndex,  Object o ) |

#### Parameters

dbCommand

Type: [System.Data.Common.DbCommand](http://msdn2.microsoft.com/en-us/library/852d01k6)

The database command.

iParameterIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Index of the i parameter.

o

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The o.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DbCommand](http://msdn2.microsoft.com/en-us/library/852d01k6). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DbCommandExtension Class](#_FE5748BB_Topic)

[SetNullableParamter Overload](#_399114F8_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DbCommandExtension.SetNullableParamter Method (DbCommand, String, Object)

Adds the nullable paramter.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SetNullableParamter(  this DbCommand dbCommand,  string strParameterName,  Object o ) |

#### Parameters

dbCommand

Type: [System.Data.Common.DbCommand](http://msdn2.microsoft.com/en-us/library/852d01k6)

The database command.

strParameterName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string parameter.

o

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The o.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [DbCommand](http://msdn2.microsoft.com/en-us/library/852d01k6). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DbCommandExtension Class](#_FE5748BB_Topic)

[SetNullableParamter Overload](#_399114F8_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DictionaryExtension Class

Eine Erweiterungsklasse für Dictionary <TKey , TValue> und SortedDictionary<TKey , TValue> .

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.DictionaryExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class DictionaryExtension |

The **DictionaryExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ForEach(TKey, TValue)(Dictionary(TKey, TValue), Action(TKey, TValue))](#_B3F8CBA6_Topic) | Fors the each. |
| Public methodStatic member | [ForEach(TKey, TValue)(SortedDictionary(TKey, TValue), Action(TKey, TValue))](#_FD70B81E_Topic) | Fors the each. |
| Public methodStatic member | [ToString(TKey, TValue)](#_831E86CC_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DictionaryExtension.DictionaryExtension Methods

The [DictionaryExtension](#_ACA67834_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ForEach(TKey, TValue)(Dictionary(TKey, TValue), Action(TKey, TValue))](#_B3F8CBA6_Topic) | Fors the each. |
| Public methodStatic member | [ForEach(TKey, TValue)(SortedDictionary(TKey, TValue), Action(TKey, TValue))](#_FD70B81E_Topic) | Fors the each. |
| Public methodStatic member | [ToString(TKey, TValue)](#_831E86CC_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. |

## See Also

[DictionaryExtension Class](#_ACA67834_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DictionaryExtension.ForEach Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ForEach(TKey, TValue)(Dictionary(TKey, TValue), Action(TKey, TValue))](#_B3F8CBA6_Topic) | Fors the each. |
| Public methodStatic member | [ForEach(TKey, TValue)(SortedDictionary(TKey, TValue), Action(TKey, TValue))](#_FD70B81E_Topic) | Fors the each. |

## See Also

[DictionaryExtension Class](#_ACA67834_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DictionaryExtension.ForEach(TKey, TValue) Method (Dictionary(TKey, TValue), Action(TKey, TValue))

Fors the each.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void ForEach<TKey, TValue>(  this Dictionary<TKey, TValue> dict,  Action<TKey, TValue> action ) |

#### Parameters

dict

Type: [System.Collections.Generic.Dictionary](http://msdn2.microsoft.com/en-us/library/xfhwa508)(**TKey**, **TValue**)

The dict.

action

Type: [System.Action](http://msdn2.microsoft.com/en-us/library/bb549311)(**TKey**, **TValue**)

The action.

#### Type Parameters

TKey

The type of the key.

TValue

The type of the value.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Dictionary](http://msdn2.microsoft.com/en-us/library/xfhwa508)(**TKey**, **TValue**). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DictionaryExtension Class](#_ACA67834_Topic)

[ForEach Overload](#_3B69EEF5_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DictionaryExtension.ForEach(TKey, TValue) Method (SortedDictionary(TKey, TValue), Action(TKey, TValue))

Fors the each.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void ForEach<TKey, TValue>(  this SortedDictionary<TKey, TValue> dict,  Action<TKey, TValue> action ) |

#### Parameters

dict

Type: [System.Collections.Generic.SortedDictionary](http://msdn2.microsoft.com/en-us/library/f7fta44c)(**TKey**, **TValue**)

The dict.

action

Type: [System.Action](http://msdn2.microsoft.com/en-us/library/bb549311)(**TKey**, **TValue**)

The action.

#### Type Parameters

TKey

The type of the key.

TValue

The type of the value.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [SortedDictionary](http://msdn2.microsoft.com/en-us/library/f7fta44c)(**TKey**, **TValue**). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DictionaryExtension Class](#_ACA67834_Topic)

[ForEach Overload](#_3B69EEF5_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# DictionaryExtension.ToString(TKey, TValue) Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ToString<TKey, TValue>(  this SortedDictionary<TKey, TValue> dict,  char cDivider ) |

#### Parameters

dict

Type: [System.Collections.Generic.SortedDictionary](http://msdn2.microsoft.com/en-us/library/f7fta44c)(**TKey**, **TValue**)

The dictionary.

cDivider

Type: [System.Char](http://msdn2.microsoft.com/en-us/library/k493b04s)

The c divider.

#### Type Parameters

TKey

The type of the key.

TValue

The type of the value.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [SortedDictionary](http://msdn2.microsoft.com/en-us/library/f7fta44c)(**TKey**, **TValue**). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[DictionaryExtension Class](#_ACA67834_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension Class

Eine Erweiterungsklasse für System.IO.FileInfo .

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.FileInfoExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class FileInfoExtension |

The **FileInfoExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CopyTo(FileInfo, DirectoryInfo)](#_D7B54EBF_Topic) | Copies to file to a other directory. |
| Public methodStatic member | [CopyTo(FileInfo, DirectoryInfo, Boolean)](#_E0B98E88_Topic) | Copies to. |
| Public methodStatic member | [GetFilenameWithoutExtension](#_50CD9B0A_Topic) | Gets the filename without extension. |
| Public methodStatic member | [GetFileSize](#_3AD1EBC5_Topic) | Gets the size of the file. |
| Public methodStatic member | [MoveTo](#_BF32C603_Topic) | Moves to file to a other directory. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.FileInfoExtension Methods

The [FileInfoExtension](#_5CAC1596_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CopyTo(FileInfo, DirectoryInfo)](#_D7B54EBF_Topic) | Copies to file to a other directory. |
| Public methodStatic member | [CopyTo(FileInfo, DirectoryInfo, Boolean)](#_E0B98E88_Topic) | Copies to. |
| Public methodStatic member | [GetFilenameWithoutExtension](#_50CD9B0A_Topic) | Gets the filename without extension. |
| Public methodStatic member | [GetFileSize](#_3AD1EBC5_Topic) | Gets the size of the file. |
| Public methodStatic member | [MoveTo](#_BF32C603_Topic) | Moves to file to a other directory. |

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.CopyTo Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CopyTo(FileInfo, DirectoryInfo)](#_D7B54EBF_Topic) | Copies to file to a other directory. |
| Public methodStatic member | [CopyTo(FileInfo, DirectoryInfo, Boolean)](#_E0B98E88_Topic) | Copies to. |

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.CopyTo Method (FileInfo, DirectoryInfo)

Copies to file to a other directory.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static FileInfo CopyTo(  this FileInfo fi,  DirectoryInfo di ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

di

Type: [System.IO.DirectoryInfo](http://msdn2.microsoft.com/en-us/library/8s2fzb02)

The di.

#### Return Value

Type: [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[CopyTo Overload](#_CFDA1383_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.CopyTo Method (FileInfo, DirectoryInfo, Boolean)

Copies to.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static FileInfo CopyTo(  this FileInfo fi,  DirectoryInfo di,  bool bOverwrite ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

di

Type: [System.IO.DirectoryInfo](http://msdn2.microsoft.com/en-us/library/8s2fzb02)

The di.

bOverwrite

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b overwrite].

#### Return Value

Type: [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[CopyTo Overload](#_CFDA1383_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.GetFilenameWithoutExtension Method

Gets the filename without extension.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetFilenameWithoutExtension(  this FileInfo fi ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.GetFileSize Method

Gets the size of the file.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetFileSize(  this FileInfo fi ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# FileInfoExtension.MoveTo Method

Moves to file to a other directory.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void MoveTo(  this FileInfo fi,  DirectoryInfo diDirectory ) |

#### Parameters

fi

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi.

diDirectory

Type: [System.IO.DirectoryInfo](http://msdn2.microsoft.com/en-us/library/8s2fzb02)

The di directory.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[FileInfoExtension Class](#_5CAC1596_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.IDataReaderExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class IDataReaderExtension |

The **IDataReaderExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetDateTimeOrNull](#_404D4FE8_Topic) | Gets the date time or null. |
| Public methodStatic member | [GetGeometryFromWKB](#_647C7CD4_Topic) |  |
| Public methodStatic member | [GetInt32OrNull](#_AB02FCD_Topic) | Gets the int32 or null. |
| Public methodStatic member | [GetInt64OrNull](#_B1A2E90_Topic) | Gets the int64 or null. |
| Public methodStatic member | [GetLineStringFromWKB](#_BCA3C633_Topic) |  |
| Public methodStatic member | [GetMultiPolygonFromWKB](#_C506D1C5_Topic) |  |
| Public methodStatic member | [GetPointFromWKB](#_529C7167_Topic) |  |
| Public methodStatic member | [GetPolygonFromWKB](#_E8601B89_Topic) |  |
| Public methodStatic member | [GetStringOrNull](#_59EE62B9_Topic) | Gets the string or null. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.IDataReaderExtension Methods

The [IDataReaderExtension](#_AB74F295_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetDateTimeOrNull](#_404D4FE8_Topic) | Gets the date time or null. |
| Public methodStatic member | [GetGeometryFromWKB](#_647C7CD4_Topic) |  |
| Public methodStatic member | [GetInt32OrNull](#_AB02FCD_Topic) | Gets the int32 or null. |
| Public methodStatic member | [GetInt64OrNull](#_B1A2E90_Topic) | Gets the int64 or null. |
| Public methodStatic member | [GetLineStringFromWKB](#_BCA3C633_Topic) |  |
| Public methodStatic member | [GetMultiPolygonFromWKB](#_C506D1C5_Topic) |  |
| Public methodStatic member | [GetPointFromWKB](#_529C7167_Topic) |  |
| Public methodStatic member | [GetPolygonFromWKB](#_E8601B89_Topic) |  |
| Public methodStatic member | [GetStringOrNull](#_59EE62B9_Topic) | Gets the string or null. |

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetDateTimeOrNull Method

Gets the date time or null.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<DateTime> GetDateTimeOrNull(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

The database result.

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Index of the i column.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetGeometryFromWKB Method

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static IGeometry GetGeometryFromWKB(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: **IGeometry**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetInt32OrNull Method

Gets the int32 or null.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<int> GetInt32OrNull(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

The database result.

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Index of the i column.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetInt64OrNull Method

Gets the int64 or null.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<long> GetInt64OrNull(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

The database result.

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Index of the i column.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetLineStringFromWKB Method

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static LineString GetLineStringFromWKB(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: **LineString**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetMultiPolygonFromWKB Method

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static MultiPolygon GetMultiPolygonFromWKB(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: **MultiPolygon**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetPointFromWKB Method

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Point GetPointFromWKB(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: **Point**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetPolygonFromWKB Method

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Polygon GetPolygonFromWKB(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: **Polygon**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDataReaderExtension.GetStringOrNull Method

Gets the string or null.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetStringOrNull(  this IDataReader dbResult,  int iColumnIndex ) |

#### Parameters

dbResult

Type: [System.Data.IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a)

The database result.

iColumnIndex

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Index of the i column.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDataReaderExtension Class](#_AB74F295_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.IDbConnectionExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class IDbConnectionExtension |

The **IDbConnectionExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CloseIfOpen](#_51F707D_Topic) | Closes if open. |
| Public methodStatic member | [ExecuteNonQuery(IDbConnection, String,Object[])](#_C3B7FCF1_Topic) | Exceutes the non query. |
| Public methodStatic member | [ExecuteNonQuery(IDbConnection, Int32, Boolean, String,Object[])](#_5E665E91_Topic) | Executes the non query. |
| Public methodStatic member | [ExecuteScalar(IDbConnection, String,Object[])](#_F7FCCAC7_Topic) | Executes the scalar. |
| Public methodStatic member | [ExecuteScalar(IDbConnection, Int32, String,Object[])](#_CAC8D3FA_Topic) | Executes the scalar. |
| Public methodStatic member | [GetDictionary(T1, T2)](#_262E6CCE_Topic) | Gets the dictionary. |
| Public methodStatic member | [GetSortedDictionary(T1, T2)](#_145C7C20_Topic) | Liefert das Ergebnis eines Statements als SortedDictionary zurück. |
| Public methodStatic member | [SaveAsCSV](#_3E892A39_Topic) | Exports the CSV. |
| Public methodStatic member | [Select(IDbConnection, String)](#_6AA05EF5_Topic) | Selects the specified db connection. |
| Public methodStatic member | [Select(IDbConnection, String,Object[])](#_AAB43253_Topic) | Selects the specified db connection. |
| Public methodStatic member | [SelectAsDataTable](#_D1DF2146_Topic) | Selects as data table. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.IDbConnectionExtension Methods

The [IDbConnectionExtension](#_75D110BD_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CloseIfOpen](#_51F707D_Topic) | Closes if open. |
| Public methodStatic member | [ExecuteNonQuery(IDbConnection, String,Object[])](#_C3B7FCF1_Topic) | Exceutes the non query. |
| Public methodStatic member | [ExecuteNonQuery(IDbConnection, Int32, Boolean, String,Object[])](#_5E665E91_Topic) | Executes the non query. |
| Public methodStatic member | [ExecuteScalar(IDbConnection, String,Object[])](#_F7FCCAC7_Topic) | Executes the scalar. |
| Public methodStatic member | [ExecuteScalar(IDbConnection, Int32, String,Object[])](#_CAC8D3FA_Topic) | Executes the scalar. |
| Public methodStatic member | [GetDictionary(T1, T2)](#_262E6CCE_Topic) | Gets the dictionary. |
| Public methodStatic member | [GetSortedDictionary(T1, T2)](#_145C7C20_Topic) | Liefert das Ergebnis eines Statements als SortedDictionary zurück. |
| Public methodStatic member | [SaveAsCSV](#_3E892A39_Topic) | Exports the CSV. |
| Public methodStatic member | [Select(IDbConnection, String)](#_6AA05EF5_Topic) | Selects the specified db connection. |
| Public methodStatic member | [Select(IDbConnection, String,Object[])](#_AAB43253_Topic) | Selects the specified db connection. |
| Public methodStatic member | [SelectAsDataTable](#_D1DF2146_Topic) | Selects as data table. |

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.CloseIfOpen Method

Closes if open.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool CloseIfOpen(  this IDbConnection dbConnection,  bool bIgnoreCloseException = true ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The db connection.

bIgnoreCloseException (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b ignore close exception].

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.ExecuteNonQuery Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ExecuteNonQuery(IDbConnection, String,Object[])](#_C3B7FCF1_Topic) | Exceutes the non query. |
| Public methodStatic member | [ExecuteNonQuery(IDbConnection, Int32, Boolean, String,Object[])](#_5E665E91_Topic) | Executes the non query. |

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.ExecuteNonQuery Method (IDbConnection, String, Object[])

Exceutes the non query.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static int ExecuteNonQuery(  this IDbConnection dbConnection,  string strFormat,  params Object[] args ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The db connection.

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR format.

args

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The args.

#### Return Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[ExecuteNonQuery Overload](#_78ED487A_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.ExecuteNonQuery Method (IDbConnection, Int32, Boolean, String, Object[])

Executes the non query.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static int ExecuteNonQuery(  this IDbConnection dbConnection,  int iTimeout,  bool bTransaction,  string strFormat,  params Object[] args ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The database connection.

iTimeout

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i timeout.

bTransaction

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b transaction].

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string format.

args

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The arguments.

#### Return Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[ExecuteNonQuery Overload](#_78ED487A_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.ExecuteScalar Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ExecuteScalar(IDbConnection, String,Object[])](#_F7FCCAC7_Topic) | Executes the scalar. |
| Public methodStatic member | [ExecuteScalar(IDbConnection, Int32, String,Object[])](#_CAC8D3FA_Topic) | Executes the scalar. |

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.ExecuteScalar Method (IDbConnection, String, Object[])

Executes the scalar.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Object ExecuteScalar(  this IDbConnection dbConnection,  string strFormat,  params Object[] args ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The database connection.

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string format.

args

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The arguments.

#### Return Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[ExecuteScalar Overload](#_FBD44E8C_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.ExecuteScalar Method (IDbConnection, Int32, String, Object[])

Executes the scalar.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Object ExecuteScalar(  this IDbConnection dbConnection,  int iTimeOut,  string strFormat,  params Object[] args ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The db connection.

iTimeOut

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i time out.

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR format.

args

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The args.

#### Return Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[ExecuteScalar Overload](#_FBD44E8C_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.GetDictionary(T1, T2) Method

Gets the dictionary.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Dictionary<T1, T2> GetDictionary<T1, T2>(  this IDbConnection dbConnection,  string strSelectStatement ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The database connection.

strSelectStatement

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string select statement.

#### Type Parameters

T1

The type of the 1.

T2

The type of the 2.

#### Return Value

Type: [Dictionary](http://msdn2.microsoft.com/en-us/library/xfhwa508)(**T1**, **T2**)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.GetSortedDictionary(T1, T2) Method

Liefert das Ergebnis eines Statements als SortedDictionary zurück.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static SortedDictionary<T1, T2> GetSortedDictionary<T1, T2>(  this IDbConnection dbConnection,  string strSelectStatement ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The database connection.

strSelectStatement

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string select statement.

#### Type Parameters

T1

The type of the 1.

T2

The type of the 2.

#### Return Value

Type: [SortedDictionary](http://msdn2.microsoft.com/en-us/library/f7fta44c)(**T1**, **T2**)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.SaveAsCSV Method

Exports the CSV.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SaveAsCSV(  this IDbConnection dbConnection,  string strSelectStatement,  FileInfo fiExportFile,  char cDivider ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The db connection.

strSelectStatement

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR select statement.

fiExportFile

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi export file.

cDivider

Type: [System.Char](http://msdn2.microsoft.com/en-us/library/k493b04s)

The c divider.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.Select Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Select(IDbConnection, String)](#_6AA05EF5_Topic) | Selects the specified db connection. |
| Public methodStatic member | [Select(IDbConnection, String,Object[])](#_AAB43253_Topic) | Selects the specified db connection. |

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.Select Method (IDbConnection, String)

Selects the specified db connection.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static IEnumerable<IDataReader> Select(  this IDbConnection dbConnection,  string strSelectStatement ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

Die aktuelle Datenbankverbindung.

strSelectStatement

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR select statement.

#### Return Value

Type: [IEnumerable](http://msdn2.microsoft.com/en-us/library/9eekhta0)([IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[Select Overload](#_BA54D1F7_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.Select Method (IDbConnection, String, Object[])

Selects the specified db connection.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static IEnumerable<IDataReader> Select(  this IDbConnection dbConnection,  string strFormat,  params Object[] args ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The db connection.

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR format.

args

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The args.

#### Return Value

Type: [IEnumerable](http://msdn2.microsoft.com/en-us/library/9eekhta0)([IDataReader](http://msdn2.microsoft.com/en-us/library/sh674a6a))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[Select Overload](#_BA54D1F7_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# IDbConnectionExtension.SelectAsDataTable Method

Selects as data table.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static DataTable SelectAsDataTable(  this IDbConnection dbConnection,  string strResultTableName,  string strFormat,  params Object[] args ) |

#### Parameters

dbConnection

Type: [System.Data.IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60)

The database connection.

strResultTableName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string result table.

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string format.

args

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The arguments.

#### Return Value

Type: [DataTable](http://msdn2.microsoft.com/en-us/library/9186hy08)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [IDbConnection](http://msdn2.microsoft.com/en-us/library/bs16hf60). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[IDbConnectionExtension Class](#_75D110BD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# ListExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.ListExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class ListExtension |

The **ListExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [SaveAsCsv(T)](#_E6A752FD_Topic) | Saves the list as CSV. |
| Public methodStatic member | [SaveAsXml(T)](#_6E561BA7_Topic) | Saves the list as XML. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# ListExtension.ListExtension Methods

The [ListExtension](#_CD56FF2D_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [SaveAsCsv(T)](#_E6A752FD_Topic) | Saves the list as CSV. |
| Public methodStatic member | [SaveAsXml(T)](#_6E561BA7_Topic) | Saves the list as XML. |

## See Also

[ListExtension Class](#_CD56FF2D_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# ListExtension.SaveAsCsv(T) Method

Saves the list as CSV.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SaveAsCsv<T>(  this List<T> lValues,  string strOutputFilename,  bool bUseQuotationMark = false ) |

#### Parameters

lValues

Type: [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)(**T**)

The l values.

strOutputFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string output filename.

bUseQuotationMark (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b use quotation mark].

#### Type Parameters

T

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)(**T**). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## Exceptions

|  |  |
| --- | --- |
| Exception | Condition |
| [ArgumentException](http://msdn2.microsoft.com/en-us/library/3w1b3114) | Die Liste darf nicht leer sein! - lValues or Der Ausgabedateiname darf nicht leer sein! - strOutputFilename |
| [ArgumentException](http://msdn2.microsoft.com/en-us/library/3w1b3114) | Die Liste darf nicht leer sein! - lValues or Der Ausgabedateiname darf nicht leer sein! - strOutputFilename |

## See Also

[ListExtension Class](#_CD56FF2D_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# ListExtension.SaveAsXml(T) Method

Saves the list as XML.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SaveAsXml<T>(  this List<T> lValues,  string strOutputFilename ) where T : IXmlExport |

#### Parameters

lValues

Type: [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)(**T**)

The l values.

strOutputFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string output filename.

#### Type Parameters

T

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)(**T**). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[ListExtension Class](#_CD56FF2D_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension Class

Eine Erweiterungsklasse für System.Random .

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.RandomExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class RandomExtension |

The **RandomExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [NextAutoKennzeichen](#_C36FDDA7_Topic) | Nexts the automatic kennzeichen. |
| Public methodStatic member | [NextBool](#_7821B7B_Topic) | Liefert einen Zufalls Boolschen Wert zurück. |
| Public methodStatic member | [NextColor](#_7C6C1B78_Topic) | Returns the next Color. |
| Public methodStatic member | [NextDateTime(Random, DateTimeKind)](#_3B0E991F_Topic) | Nexts the date time. |
| Public methodStatic member | [NextDateTime(Random, DateTime, DateTime, DateTimeKind)](#_6B2EC589_Topic) | Nexts the date time. |
| Public methodStatic member | [NextEnum(Random, Type)](#_606FA6DF_Topic) | Nexts the enum. |
| Public methodStatic member | [NextEnum(T)(Random)](#_DE3A6E4E_Topic) | Liefert einen zufälligen Enumeration Wert zu einer Enumeration zurück. |
| Public methodStatic member | [NextInt](#_19DEE948_Topic) | Der Vollständigkeit wegen. |
| Public methodStatic member | [NextLong](#_92A51B80_Topic) | Nexts the long. |
| Public methodStatic member | [NextObject(T)(Random, ICollection(T))](#_5F856226_Topic) | Nexts the object. |
| Public methodStatic member | [NextObject(T)(Random, IList(T))](#_B64BDF6F_Topic) | Nexts the object. |
| Public methodStatic member | [NextSalt](#_AE615FF1_Topic) | Nexts the salt. |
| Public methodStatic member | [NextString](#_A4D582B0_Topic) | Nexts the string. |
| Public methodStatic member | [NextUInt](#_DB2D04C9_Topic) | Der Vollständigkeit wegen. |
| Public methodStatic member | [NextULong](#_22C7BDA8_Topic) | Nexts the u long. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.RandomExtension Methods

The [RandomExtension](#_D406B8FD_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [NextAutoKennzeichen](#_C36FDDA7_Topic) | Nexts the automatic kennzeichen. |
| Public methodStatic member | [NextBool](#_7821B7B_Topic) | Liefert einen Zufalls Boolschen Wert zurück. |
| Public methodStatic member | [NextColor](#_7C6C1B78_Topic) | Returns the next Color. |
| Public methodStatic member | [NextDateTime(Random, DateTimeKind)](#_3B0E991F_Topic) | Nexts the date time. |
| Public methodStatic member | [NextDateTime(Random, DateTime, DateTime, DateTimeKind)](#_6B2EC589_Topic) | Nexts the date time. |
| Public methodStatic member | [NextEnum(Random, Type)](#_606FA6DF_Topic) | Nexts the enum. |
| Public methodStatic member | [NextEnum(T)(Random)](#_DE3A6E4E_Topic) | Liefert einen zufälligen Enumeration Wert zu einer Enumeration zurück. |
| Public methodStatic member | [NextInt](#_19DEE948_Topic) | Der Vollständigkeit wegen. |
| Public methodStatic member | [NextLong](#_92A51B80_Topic) | Nexts the long. |
| Public methodStatic member | [NextObject(T)(Random, ICollection(T))](#_5F856226_Topic) | Nexts the object. |
| Public methodStatic member | [NextObject(T)(Random, IList(T))](#_B64BDF6F_Topic) | Nexts the object. |
| Public methodStatic member | [NextSalt](#_AE615FF1_Topic) | Nexts the salt. |
| Public methodStatic member | [NextString](#_A4D582B0_Topic) | Nexts the string. |
| Public methodStatic member | [NextUInt](#_DB2D04C9_Topic) | Der Vollständigkeit wegen. |
| Public methodStatic member | [NextULong](#_22C7BDA8_Topic) | Nexts the u long. |

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextAutoKennzeichen Method

Nexts the automatic kennzeichen.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string NextAutoKennzeichen(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextBool Method

Liefert einen Zufalls Boolschen Wert zurück.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool NextBool(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The current random object

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextColor Method

Returns the next Color.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Color NextColor(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

#### Return Value

Type: [Color](http://msdn2.microsoft.com/en-us/library/ms653055)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextDateTime Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [NextDateTime(Random, DateTimeKind)](#_3B0E991F_Topic) | Nexts the date time. |
| Public methodStatic member | [NextDateTime(Random, DateTime, DateTime, DateTimeKind)](#_6B2EC589_Topic) | Nexts the date time. |

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextDateTime Method (Random, DateTimeKind)

Nexts the date time.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static DateTime NextDateTime(  this Random r,  DateTimeKind dtk = DateTimeKind.Local ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

dtk (Optional)

Type: [System.DateTimeKind](http://msdn2.microsoft.com/en-us/library/shx7s921)

The DTK.

#### Return Value

Type: [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[NextDateTime Overload](#_D557E783_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextDateTime Method (Random, DateTime, DateTime, DateTimeKind)

Nexts the date time.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static DateTime NextDateTime(  this Random r,  DateTime dtMin,  DateTime dtMax,  DateTimeKind dtk = DateTimeKind.Local ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

dtMin

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt minimum.

dtMax

Type: [System.DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

The dt maximum.

dtk (Optional)

Type: [System.DateTimeKind](http://msdn2.microsoft.com/en-us/library/shx7s921)

The DTK.

#### Return Value

Type: [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[NextDateTime Overload](#_D557E783_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextEnum Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [NextEnum(T)(Random)](#_DE3A6E4E_Topic) | Liefert einen zufälligen Enumeration Wert zu einer Enumeration zurück. |
| Public methodStatic member | [NextEnum(Random, Type)](#_606FA6DF_Topic) | Nexts the enum. |

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextEnum(T) Method (Random)

Liefert einen zufälligen Enumeration Wert zu einer Enumeration zurück.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static T NextEnum<T>(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The current random object

#### Type Parameters

T

#### Return Value

Type: **T**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[NextEnum Overload](#_14E32A50_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextEnum Method (Random, Type)

Nexts the enum.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static int NextEnum(  this Random r,  Type tEnum ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

tEnum

Type: [System.Type](http://msdn2.microsoft.com/en-us/library/42892f65)

The t enum.

#### Return Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[NextEnum Overload](#_14E32A50_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextInt Method

Der Vollständigkeit wegen.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static int NextInt(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

#### Return Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextLong Method

Nexts the long.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static long NextLong(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

#### Return Value

Type: [Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextObject Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [NextObject(T)(Random, ICollection(T))](#_5F856226_Topic) | Nexts the object. |
| Public methodStatic member | [NextObject(T)(Random, IList(T))](#_B64BDF6F_Topic) | Nexts the object. |

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextObject(T) Method (Random, ICollection(T))

Nexts the object.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static T NextObject<T>(  this Random r,  ICollection<T> cValues ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

cValues

Type: [System.Collections.Generic.ICollection](http://msdn2.microsoft.com/en-us/library/92t2ye13)(**T**)

The c values.

#### Type Parameters

T

#### Return Value

Type: **T**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[NextObject Overload](#_57707245_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextObject(T) Method (Random, IList(T))

Nexts the object.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static T NextObject<T>(  this Random r,  IList<T> lValues ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

lValues

Type: [System.Collections.Generic.IList](http://msdn2.microsoft.com/en-us/library/5y536ey6)(**T**)

The l values.

#### Type Parameters

T

#### Return Value

Type: **T**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[NextObject Overload](#_57707245_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextSalt Method

Nexts the salt.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string NextSalt(  this Random r,  int iSaltLength = 5 ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

iSaltLength (Optional)

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Length of the i salt.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextString Method

Nexts the string.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string NextString(  this Random r,  int iMinLength,  int iMaxLength ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

iMinLength

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Length of the i min.

iMaxLength

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Length of the i max.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextUInt Method

Der Vollständigkeit wegen.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static uint NextUInt(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

#### Return Value

Type: [UInt32](http://msdn2.microsoft.com/en-us/library/ctys3981)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# RandomExtension.NextULong Method

Nexts the u long.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static ulong NextULong(  this Random r ) |

#### Parameters

r

Type: [System.Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek)

The r.

#### Return Value

Type: [UInt64](http://msdn2.microsoft.com/en-us/library/06cf7918)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Random](http://msdn2.microsoft.com/en-us/library/ts6se2ek). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RandomExtension Class](#_D406B8FD_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.SQLiteExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class SQLiteExtension |

The **SQLiteExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Analyze](#_6B99A80D_Topic) | Analyzes the specified database connection. |
| Public methodStatic member | [DropTable](#_5A7B721C_Topic) | Drops the table. |
| Public methodStatic member | [GetLastPrimarykey](#_5074D771_Topic) | Gets the last primarykey. |
| Public methodStatic member | [GetTableNames](#_6A59F3FA_Topic) | Gets the table names. |
| Public methodStatic member | [GetViewNames](#_C395B296_Topic) | Gets the view names. |
| Public methodStatic member | [PrepareInsertStatement](#_54604732_Topic) | Prepares the insert statement. |
| Public methodStatic member | [Reindex](#_856AA5BD_Topic) | Reindexes the specified database connection. |
| Public methodStatic member | [TableExists](#_4527D415_Topic) | Tables the exists. |
| Public methodStatic member | [Truncate](#_A3F971E4_Topic) | Truncates the specified string tablename. |
| Public methodStatic member | [Vacuum](#_7BD3C5A4_Topic) | Vacuums the specified database connection. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.SQLiteExtension Methods

The [SQLiteExtension](#_D75A4EF2_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Analyze](#_6B99A80D_Topic) | Analyzes the specified database connection. |
| Public methodStatic member | [DropTable](#_5A7B721C_Topic) | Drops the table. |
| Public methodStatic member | [GetLastPrimarykey](#_5074D771_Topic) | Gets the last primarykey. |
| Public methodStatic member | [GetTableNames](#_6A59F3FA_Topic) | Gets the table names. |
| Public methodStatic member | [GetViewNames](#_C395B296_Topic) | Gets the view names. |
| Public methodStatic member | [PrepareInsertStatement](#_54604732_Topic) | Prepares the insert statement. |
| Public methodStatic member | [Reindex](#_856AA5BD_Topic) | Reindexes the specified database connection. |
| Public methodStatic member | [TableExists](#_4527D415_Topic) | Tables the exists. |
| Public methodStatic member | [Truncate](#_A3F971E4_Topic) | Truncates the specified string tablename. |
| Public methodStatic member | [Vacuum](#_7BD3C5A4_Topic) | Vacuums the specified database connection. |

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.Analyze Method

Analyzes the specified database connection.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Analyze(  this SQLiteConnection dbConnection ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.DropTable Method

Drops the table.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void DropTable(  this SQLiteConnection dbConnection,  string strTablename ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

strTablename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string tablename.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.GetLastPrimarykey Method

Gets the last primarykey.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static long GetLastPrimarykey(  this SQLiteConnection dbConnection ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

#### Return Value

Type: [Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.GetTableNames Method

Gets the table names.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static List<string> GetTableNames(  this SQLiteConnection dbConnection ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

#### Return Value

Type: [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.GetViewNames Method

Gets the view names.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static List<string> GetViewNames(  this SQLiteConnection dbConnection ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

#### Return Value

Type: [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.PrepareInsertStatement Method

Prepares the insert statement.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static SQLiteCommand PrepareInsertStatement(  this SQLiteConnection dbConnection,  string strTablename,  bool bIgnorePrimaryKey = true ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

strTablename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string tablename.

bIgnorePrimaryKey (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b ignore primary key].

#### Return Value

Type: **SQLiteCommand**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.Reindex Method

Reindexes the specified database connection.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Reindex(  this SQLiteConnection dbConnection ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.TableExists Method

Tables the exists.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool TableExists(  this SQLiteConnection dbConnection,  string strTablename ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The db connection.

strTablename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR tablename.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.Truncate Method

Truncates the specified string tablename.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Truncate(  this SQLiteConnection dbConnection,  string strTablename ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

strTablename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string tablename.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SQLiteExtension.Vacuum Method

Vacuums the specified database connection.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Vacuum(  this SQLiteConnection dbConnection ) |

#### Parameters

dbConnection

Type: **SQLiteConnection**

The database connection.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type **SQLiteConnection**. When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[SQLiteExtension Class](#_D75A4EF2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringBuilderExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.StringBuilderExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class StringBuilderExtension |

The **StringBuilderExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [AppendLine](#_2D5DBAEF_Topic) | Appends the line. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringBuilderExtension.StringBuilderExtension Methods

The [StringBuilderExtension](#_2DC53BAA_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [AppendLine](#_2D5DBAEF_Topic) | Appends the line. |

## See Also

[StringBuilderExtension Class](#_2DC53BAA_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringBuilderExtension.AppendLine Method

Appends the line.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void AppendLine(  this StringBuilder sb,  string strFormat,  params Object[] param ) |

#### Parameters

sb

Type: [System.Text.StringBuilder](http://msdn2.microsoft.com/en-us/library/y9sxk6fy)

The sb.

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string format.

param

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The parameter.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [StringBuilder](http://msdn2.microsoft.com/en-us/library/y9sxk6fy). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringBuilderExtension Class](#_2DC53BAA_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension Class

Eine Erweiterungsklasse für unseren lieblichen String.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.StringExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class StringExtension |

The **StringExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Capitalize](#_544264B2_Topic) | Capitalizes the specified string content. |
| Public methodStatic member | [CapitalizeOnlyFirstLetter](#_6C30E97A_Topic) | Capitalizes the only first letter. |
| Public methodStatic member | [EqualsIgnoreCase](#_76C09BA8_Topic) | Vergleicht zwei String wobei nicht zwischen Groß- und Kleinschreibung unterschieden wird. |
| Public methodStatic member | [IsEmpty](#_12B3F024_Topic) | Liefert zurück ob ein String null oder dessen Länge 0 ist. |
| Public methodStatic member | [IsNotEmpty](#_96F03459_Topic) | Liefert zurück ob ein String nicht null oder dessen Länge > 0 ist. |
| Public methodStatic member | [RemoveQuotation](#_BB0E49B2_Topic) | Removes the quotation. |
| Public methodStatic member | [ReplaceHtml](#_199CC8DA_Topic) | Replaces the HTML. |
| Public methodStatic member | [ToColor](#_CC532D6B_Topic) | Liefert aus einem String wie z.b. "#FFAACC" den Farbwert als Color Objekt zurück. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.StringExtension Methods

The [StringExtension](#_C8D711A9_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Capitalize](#_544264B2_Topic) | Capitalizes the specified string content. |
| Public methodStatic member | [CapitalizeOnlyFirstLetter](#_6C30E97A_Topic) | Capitalizes the only first letter. |
| Public methodStatic member | [EqualsIgnoreCase](#_76C09BA8_Topic) | Vergleicht zwei String wobei nicht zwischen Groß- und Kleinschreibung unterschieden wird. |
| Public methodStatic member | [IsEmpty](#_12B3F024_Topic) | Liefert zurück ob ein String null oder dessen Länge 0 ist. |
| Public methodStatic member | [IsNotEmpty](#_96F03459_Topic) | Liefert zurück ob ein String nicht null oder dessen Länge > 0 ist. |
| Public methodStatic member | [RemoveQuotation](#_BB0E49B2_Topic) | Removes the quotation. |
| Public methodStatic member | [ReplaceHtml](#_199CC8DA_Topic) | Replaces the HTML. |
| Public methodStatic member | [ToColor](#_CC532D6B_Topic) | Liefert aus einem String wie z.b. "#FFAACC" den Farbwert als Color Objekt zurück. |

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.Capitalize Method

Capitalizes the specified string content.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Capitalize(  this string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the string.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.CapitalizeOnlyFirstLetter Method

Capitalizes the only first letter.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string CapitalizeOnlyFirstLetter(  this string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the string.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.EqualsIgnoreCase Method

Vergleicht zwei String wobei nicht zwischen Groß- und Kleinschreibung unterschieden wird.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool EqualsIgnoreCase(  this string strContent,  string strOtherString ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the string.

strOtherString

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string other string.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.IsEmpty Method

Liefert zurück ob ein String null oder dessen Länge 0 ist.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool IsEmpty(  this string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.IsNotEmpty Method

Liefert zurück ob ein String nicht null oder dessen Länge > 0 ist.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool IsNotEmpty(  this string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.RemoveQuotation Method

Removes the quotation.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string RemoveQuotation(  this string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the STR.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.ReplaceHtml Method

Replaces the HTML.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ReplaceHtml(  this string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the STR.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# StringExtension.ToColor Method

Liefert aus einem String wie z.b. "#FFAACC" den Farbwert als Color Objekt zurück.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Color ToColor(  this string strColor,  Color cDefault ) |

#### Parameters

strColor

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

cDefault

Type: [System.Windows.Media.Color](http://msdn2.microsoft.com/en-us/library/ms653055)

#### Return Value

Type: [Color](http://msdn2.microsoft.com/en-us/library/ms653055)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## Remarks

Es könnten auch die .NET symbolischen Farbnamen wie "SlateBlue" übergeben werden.

## See Also

[StringExtension Class](#_C8D711A9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TimeSpanExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.TimeSpanExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class TimeSpanExtension |

The **TimeSpanExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ToHHMMSSString](#_F762811A_Topic) | To the HHMMSS string. |
| Public methodStatic member | [ToShortString](#_2128FE1B_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TimeSpanExtension.TimeSpanExtension Methods

The [TimeSpanExtension](#_2C8B03E2_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [ToHHMMSSString](#_F762811A_Topic) | To the HHMMSS string. |
| Public methodStatic member | [ToShortString](#_2128FE1B_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. |

## See Also

[TimeSpanExtension Class](#_2C8B03E2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TimeSpanExtension.ToHHMMSSString Method

To the HHMMSS string.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ToHHMMSSString(  this TimeSpan ts ) |

#### Parameters

ts

Type: [System.TimeSpan](http://msdn2.microsoft.com/en-us/library/269ew577)

The ts.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [TimeSpan](http://msdn2.microsoft.com/en-us/library/269ew577). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[TimeSpanExtension Class](#_2C8B03E2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TimeSpanExtension.ToShortString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ToShortString(  this TimeSpan ts ) |

#### Parameters

ts

Type: [System.TimeSpan](http://msdn2.microsoft.com/en-us/library/269ew577)

The ts.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [TimeSpan](http://msdn2.microsoft.com/en-us/library/269ew577). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[TimeSpanExtension Class](#_2C8B03E2_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TypeExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.TypeExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class TypeExtension |

The **TypeExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DerivedFromType](#_D3FBDF66_Topic) | Check if the class is derived from a other class. |
| Public methodStatic member | [ImplementsInterface](#_FC775E1D_Topic) | Check if the class implements the interface. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TypeExtension.TypeExtension Methods

The [TypeExtension](#_9A730ED4_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DerivedFromType](#_D3FBDF66_Topic) | Check if the class is derived from a other class. |
| Public methodStatic member | [ImplementsInterface](#_FC775E1D_Topic) | Check if the class implements the interface. |

## See Also

[TypeExtension Class](#_9A730ED4_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TypeExtension.DerivedFromType Method

Check if the class is derived from a other class.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool DerivedFromType(  this Type tClass,  Type tBase ) |

#### Parameters

tClass

Type: [System.Type](http://msdn2.microsoft.com/en-us/library/42892f65)

The t class.

tBase

Type: [System.Type](http://msdn2.microsoft.com/en-us/library/42892f65)

The t base.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Type](http://msdn2.microsoft.com/en-us/library/42892f65). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[TypeExtension Class](#_9A730ED4_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# TypeExtension.ImplementsInterface Method

Check if the class implements the interface.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static bool ImplementsInterface(  this Type tClass,  Type tInterface ) |

#### Parameters

tClass

Type: [System.Type](http://msdn2.microsoft.com/en-us/library/42892f65)

The t class.

tInterface

Type: [System.Type](http://msdn2.microsoft.com/en-us/library/42892f65)

The t interface.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [Type](http://msdn2.microsoft.com/en-us/library/42892f65). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[TypeExtension Class](#_9A730ED4_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Extensions.XElementExtension

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class XElementExtension |

The **XElementExtension** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetBitmapSourceFromNode](#_81171578_Topic) | Gets the bitmap source from node. |
| Public methodStatic member | [GetBoolAttribute](#_E90EA124_Topic) | Gets the bool attribute. |
| Public methodStatic member | [GetBoolFromNode](#_7944010B_Topic) | Gets the bool from node. |
| Public methodStatic member | [GetColorFromNode](#_8EB4BF0B_Topic) | Gets the color from node. |
| Public methodStatic member | [GetDateTimeAttribute](#_F6B2A467_Topic) | Gets the date time attribute. |
| Public methodStatic member | [GetDateTimeFromNodeUTC](#_61E93C53_Topic) | Gets the date time from node UTC. |
| Public methodStatic member | [GetDirectoryInfoFromNode](#_B5D21993_Topic) | Gets the directory information from node. |
| Public methodStatic member | [GetDoubleAttribute](#_B88C898C_Topic) | Gets the double attribute. |
| Public methodStatic member | [GetDoubleFromNode](#_4A0FB9F9_Topic) | Gets the double from node. |
| Public methodStatic member | [GetDoubleFromNodeComma](#_B1E14BF5_Topic) | Gets the double from node comma. |
| Public methodStatic member | [GetDoubleFromNodePoint](#_C7E41FA1_Topic) | Gets the double from node point. |
| Public methodStatic member | [GetEnumFromNode(T)](#_FA9F6768_Topic) | Gets the enum from node. |
| Public methodStatic member | [GetFileInfoFromNode](#_C306B484_Topic) | Gets the file information from node. |
| Public methodStatic member | [GetGuidFromNode](#_52B495CE_Topic) | Gets the unique identifier from node. |
| Public methodStatic member | [GetInt32Attribute](#_5AFC12AC_Topic) | Gets the int32 attribute. |
| Public methodStatic member | [GetInt32FromNode](#_F1F2C83B_Topic) | Gets the int32 from node. |
| Public methodStatic member | [GetInt64Attribute](#_FE1CC46A_Topic) | Gets the int64 attribute. |
| Public methodStatic member | [GetLongFromNode](#_27753F38_Topic) | Gets the long from node. |
| Public methodStatic member | [GetProperty(T)](#_29635D47_Topic) | Gets the property. |
| Public methodStatic member | [GetSingleAttribute](#_6B3A7C62_Topic) | Gets the single attribute. |
| Public methodStatic member | [GetSingleFromNode](#_BFA93585_Topic) | Gets the single from node. |
| Public methodStatic member | [GetSingleFromNodeComma](#_A22C973C_Topic) | Gets the single from node comma. |
| Public methodStatic member | [GetSingleFromNodePoint](#_CEF96BAC_Topic) | Gets the single from node point. |
| Public methodStatic member | [GetStringAttribute](#_B911BD79_Topic) | Gets the string attribute. |
| Public methodStatic member | [GetStringFromCData](#_F48EE627_Topic) | Liefert den ersten CData Eintrag des Knotens wenn einer vorhanden ist. |
| Public methodStatic member | [GetStringFromNode(XElement, String)](#_E32C0942_Topic) | Gets the string from node. |
| Public methodStatic member | [GetStringFromNode(XElement, String, String)](#_99FA43A5_Topic) | Gets the string from node. |
| Public methodStatic member | [GetUInt32Attribute](#_A3FD411_Topic) | Gets the u int32 attribute. |
| Public methodStatic member | [GetUInt32FromNode](#_3EC53D3_Topic) | Gets the u int32 from node. |
| Public methodStatic member | [GetXElement](#_CA5E95D5_Topic) | Gets the x element. |
| Public methodStatic member | [SaveDefault](#_D321A14D_Topic) | Speichert einen XML Baum mit den Standardoptionen. |
| Public methodStatic member | [ToDefaultString](#_57675203_Topic) | To the default string. |

## See Also

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.XElementExtension Methods

The [XElementExtension](#_69AF9305_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetBitmapSourceFromNode](#_81171578_Topic) | Gets the bitmap source from node. |
| Public methodStatic member | [GetBoolAttribute](#_E90EA124_Topic) | Gets the bool attribute. |
| Public methodStatic member | [GetBoolFromNode](#_7944010B_Topic) | Gets the bool from node. |
| Public methodStatic member | [GetColorFromNode](#_8EB4BF0B_Topic) | Gets the color from node. |
| Public methodStatic member | [GetDateTimeAttribute](#_F6B2A467_Topic) | Gets the date time attribute. |
| Public methodStatic member | [GetDateTimeFromNodeUTC](#_61E93C53_Topic) | Gets the date time from node UTC. |
| Public methodStatic member | [GetDirectoryInfoFromNode](#_B5D21993_Topic) | Gets the directory information from node. |
| Public methodStatic member | [GetDoubleAttribute](#_B88C898C_Topic) | Gets the double attribute. |
| Public methodStatic member | [GetDoubleFromNode](#_4A0FB9F9_Topic) | Gets the double from node. |
| Public methodStatic member | [GetDoubleFromNodeComma](#_B1E14BF5_Topic) | Gets the double from node comma. |
| Public methodStatic member | [GetDoubleFromNodePoint](#_C7E41FA1_Topic) | Gets the double from node point. |
| Public methodStatic member | [GetEnumFromNode(T)](#_FA9F6768_Topic) | Gets the enum from node. |
| Public methodStatic member | [GetFileInfoFromNode](#_C306B484_Topic) | Gets the file information from node. |
| Public methodStatic member | [GetGuidFromNode](#_52B495CE_Topic) | Gets the unique identifier from node. |
| Public methodStatic member | [GetInt32Attribute](#_5AFC12AC_Topic) | Gets the int32 attribute. |
| Public methodStatic member | [GetInt32FromNode](#_F1F2C83B_Topic) | Gets the int32 from node. |
| Public methodStatic member | [GetInt64Attribute](#_FE1CC46A_Topic) | Gets the int64 attribute. |
| Public methodStatic member | [GetLongFromNode](#_27753F38_Topic) | Gets the long from node. |
| Public methodStatic member | [GetProperty(T)](#_29635D47_Topic) | Gets the property. |
| Public methodStatic member | [GetSingleAttribute](#_6B3A7C62_Topic) | Gets the single attribute. |
| Public methodStatic member | [GetSingleFromNode](#_BFA93585_Topic) | Gets the single from node. |
| Public methodStatic member | [GetSingleFromNodeComma](#_A22C973C_Topic) | Gets the single from node comma. |
| Public methodStatic member | [GetSingleFromNodePoint](#_CEF96BAC_Topic) | Gets the single from node point. |
| Public methodStatic member | [GetStringAttribute](#_B911BD79_Topic) | Gets the string attribute. |
| Public methodStatic member | [GetStringFromCData](#_F48EE627_Topic) | Liefert den ersten CData Eintrag des Knotens wenn einer vorhanden ist. |
| Public methodStatic member | [GetStringFromNode(XElement, String)](#_E32C0942_Topic) | Gets the string from node. |
| Public methodStatic member | [GetStringFromNode(XElement, String, String)](#_99FA43A5_Topic) | Gets the string from node. |
| Public methodStatic member | [GetUInt32Attribute](#_A3FD411_Topic) | Gets the u int32 attribute. |
| Public methodStatic member | [GetUInt32FromNode](#_3EC53D3_Topic) | Gets the u int32 from node. |
| Public methodStatic member | [GetXElement](#_CA5E95D5_Topic) | Gets the x element. |
| Public methodStatic member | [SaveDefault](#_D321A14D_Topic) | Speichert einen XML Baum mit den Standardoptionen. |
| Public methodStatic member | [ToDefaultString](#_57675203_Topic) | To the default string. |

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetBitmapSourceFromNode Method

Gets the bitmap source from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static BitmapSource GetBitmapSourceFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [BitmapSource](http://msdn2.microsoft.com/en-us/library/ms653387)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetBoolAttribute Method

Gets the bool attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<bool> GetBoolAttribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetBoolFromNode Method

Gets the bool from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<bool> GetBoolFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetColorFromNode Method

Gets the color from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Color GetColorFromNode(  this XElement xCurrentElement,  string strElementName,  Color cDefault ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

cDefault

Type: [System.Windows.Media.Color](http://msdn2.microsoft.com/en-us/library/ms653055)

The c default.

#### Return Value

Type: [Color](http://msdn2.microsoft.com/en-us/library/ms653055)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDateTimeAttribute Method

Gets the date time attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<DateTime> GetDateTimeAttribute(  this XElement eParent,  string strName,  bool bIsUTC = false ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

bIsUTC (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b is UTC].

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDateTimeFromNodeUTC Method

Gets the date time from node UTC.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<DateTime> GetDateTimeFromNodeUTC(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDirectoryInfoFromNode Method

Gets the directory information from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static DirectoryInfo GetDirectoryInfoFromNode(  this XElement xCurrentElement,  string strElementName,  DirectoryInfo diDefault ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

diDefault

Type: [System.IO.DirectoryInfo](http://msdn2.microsoft.com/en-us/library/8s2fzb02)

The di default.

#### Return Value

Type: [DirectoryInfo](http://msdn2.microsoft.com/en-us/library/8s2fzb02)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDoubleAttribute Method

Gets the double attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<double> GetDoubleAttribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDoubleFromNode Method

Gets the double from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<double> GetDoubleFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDoubleFromNodeComma Method

Gets the double from node comma.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<double> GetDoubleFromNodeComma(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetDoubleFromNodePoint Method

Gets the double from node point.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<double> GetDoubleFromNodePoint(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Double](http://msdn2.microsoft.com/en-us/library/643eft0t))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetEnumFromNode(T) Method

Gets the enum from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static T GetEnumFromNode<T>(  this XElement xCurrentElement,  string strElementName,  T tDefault ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

tDefault

Type: **T**

The t default.

#### Type Parameters

T

#### Return Value

Type: **T**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetFileInfoFromNode Method

Gets the file information from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static FileInfo GetFileInfoFromNode(  this XElement xCurrentElement,  string strElementName,  FileInfo fiDefault ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

fiDefault

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi default.

#### Return Value

Type: [FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetGuidFromNode Method

Gets the unique identifier from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<Guid> GetGuidFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetInt32Attribute Method

Gets the int32 attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<int> GetInt32Attribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetInt32FromNode Method

Gets the int32 from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<int> GetInt32FromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetInt64Attribute Method

Gets the int64 attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<long> GetInt64Attribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetLongFromNode Method

Gets the long from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<long> GetLongFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The be current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the STR element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetProperty(T) Method

Gets the property.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static T GetProperty<T>(  this XElement eParent,  string strElementName,  T tDefault ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

tDefault

Type: **T**

The t default.

#### Type Parameters

T

#### Return Value

Type: **T**

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## Exceptions

|  |  |
| --- | --- |
| Exception | Condition |
| [NotSupportedException](http://msdn2.microsoft.com/en-us/library/8a7a4e64) |  |

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetSingleAttribute Method

Gets the single attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<float> GetSingleAttribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Single](http://msdn2.microsoft.com/en-us/library/3www918f))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetSingleFromNode Method

Gets the single from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<float> GetSingleFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Single](http://msdn2.microsoft.com/en-us/library/3www918f))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetSingleFromNodeComma Method

Gets the single from node comma.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<float> GetSingleFromNodeComma(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Single](http://msdn2.microsoft.com/en-us/library/3www918f))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetSingleFromNodePoint Method

Gets the single from node point.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<float> GetSingleFromNodePoint(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Single](http://msdn2.microsoft.com/en-us/library/3www918f))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetStringAttribute Method

Gets the string attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetStringAttribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetStringFromCData Method

Liefert den ersten CData Eintrag des Knotens wenn einer vorhanden ist.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetStringFromCData(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetStringFromNode Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetStringFromNode(XElement, String)](#_E32C0942_Topic) | Gets the string from node. |
| Public methodStatic member | [GetStringFromNode(XElement, String, String)](#_99FA43A5_Topic) | Gets the string from node. |

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetStringFromNode Method (XElement, String)

Gets the string from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetStringFromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The be current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the STR element.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[GetStringFromNode Overload](#_9476E8C9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetStringFromNode Method (XElement, String, String)

Gets the string from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetStringFromNode(  this XElement xCurrentElement,  string strNamespace,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The be current element.

strNamespace

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR namespace.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the STR element.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[GetStringFromNode Overload](#_9476E8C9_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetUInt32Attribute Method

Gets the u int32 attribute.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<uint> GetUInt32Attribute(  this XElement eParent,  string strName ) |

#### Parameters

eParent

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e parent.

strName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([UInt32](http://msdn2.microsoft.com/en-us/library/ctys3981))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetUInt32FromNode Method

Gets the u int32 from node.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Nullable<uint> GetUInt32FromNode(  this XElement xCurrentElement,  string strElementName ) |

#### Parameters

xCurrentElement

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The x current element.

strElementName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string element.

#### Return Value

Type: [Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([UInt32](http://msdn2.microsoft.com/en-us/library/ctys3981))

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.GetXElement Method

Gets the x element.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static XElement GetXElement(  string strPropertyName,  Object o ) |

#### Parameters

strPropertyName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string property.

o

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The o.

#### Return Value

Type: [XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.SaveDefault Method

Speichert einen XML Baum mit den Standardoptionen.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SaveDefault(  this XElement element,  string strOutputFilename ) |

#### Parameters

element

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

strOutputFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# XElementExtension.ToDefaultString Method

To the default string.

**Namespace:** [SIGENCEScenarioTool.Extensions](#_E60D5B43_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ToDefaultString(  this XElement element ) |

#### Parameters

element

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The element.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [XElement](http://msdn2.microsoft.com/en-us/library/bb340098). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[XElementExtension Class](#_69AF9305_Topic)

[SIGENCEScenarioTool.Extensions Namespace](#_E60D5B43_Topic)

# SIGENCEScenarioTool.Interfaces Namespace

## Interfaces

|  |  |  |
| --- | --- | --- |
|  | Interface | Description |
| Public interface | [IXmlExport](#_7A6C2FDF_Topic) |  |

# IXmlExport Interface

**Namespace:** [SIGENCEScenarioTool.Interfaces](#_E7EF6D2E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public interface IXmlExport |

The **IXmlExport** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [ToXml](#_106F9F90_Topic) | To the XML. |

## See Also

[SIGENCEScenarioTool.Interfaces Namespace](#_E7EF6D2E_Topic)

# IXmlExport.IXmlExport Methods

The [IXmlExport](#_7A6C2FDF_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [ToXml](#_106F9F90_Topic) | To the XML. |

## See Also

[IXmlExport Interface](#_7A6C2FDF_Topic)

[SIGENCEScenarioTool.Interfaces Namespace](#_E7EF6D2E_Topic)

# IXmlExport.ToXml Method

To the XML.

**Namespace:** [SIGENCEScenarioTool.Interfaces](#_E7EF6D2E_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| XElement ToXml() |

#### Return Value

Type: [XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

## See Also

[IXmlExport Interface](#_7A6C2FDF_Topic)

[SIGENCEScenarioTool.Interfaces Namespace](#_E7EF6D2E_Topic)

# SIGENCEScenarioTool.Models Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [AbstractModelBase](#_B5310C8C_Topic) |  |
| Public class | [GeoLocalizationResult](#_11F85B0B_Topic) | Represent The Geo Localization Result Of A RFDevice. |
| Public class | [GeoLocalizationResultList](#_F43157A0_Topic) |  |
| Public class | [RFDevice](#_7886E387_Topic) | Represent A Device Based On A Radio Frequency. |
| Public class | [RFDeviceExtensions](#_3FDAE982_Topic) | Represent A Device Based On A Radio Frequency. |
| Public class | [RFDeviceList](#_C9DFBBDF_Topic) |  |
| Public class | [RFDeviceTooltips](#_4CBA3D87_Topic) | The tooltips for our properties to display in the HMI. |

## Enumerations

|  |  |  |
| --- | --- | --- |
|  | Enumeration | Description |
| Public enumeration | [AntennaType](#_30813101_Topic) |  |
| Public enumeration | [DeviceSource](#_93B85C6C_Topic) |  |
| Public enumeration | [DeviceType](#_1648115_Topic) |  |
| Public enumeration | [RxTxType](#_7768F88C_Topic) |  |
| Public enumeration | [Servity](#_F41516A6_Topic) |  |

# AbstractModelBase Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Models.AbstractModelBase  
    [SIGENCEScenarioTool.Models.GeoLocalizationResult](#_11F85B0B_Topic)  
    [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public abstract class AbstractModelBase : INotifyPropertyChanged |

The **AbstractModelBase** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [AbstractModelBase](#_8B717334_Topic) | Initializes a new instance of the **AbstractModelBase** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [FirePropertyChanged](#_BF6DEA86_Topic) | Fires the property changed. |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [PropertyChanged](#_631FF3B_Topic) |  |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

[System.ComponentModel.INotifyPropertyChanged](http://msdn2.microsoft.com/en-us/library/ms133020)

# AbstractModelBase Constructor

Initializes a new instance of the [AbstractModelBase](#_B5310C8C_Topic) class

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| protected AbstractModelBase() |

## See Also

[AbstractModelBase Class](#_B5310C8C_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# AbstractModelBase.AbstractModelBase Methods

The [AbstractModelBase](#_B5310C8C_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [FirePropertyChanged](#_BF6DEA86_Topic) | Fires the property changed. |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[AbstractModelBase Class](#_B5310C8C_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# AbstractModelBase.FirePropertyChanged Method

Fires the property changed.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| protected void FirePropertyChanged(  string strPropertyName = null ) |

#### Parameters

strPropertyName (Optional)

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string property.

## See Also

[AbstractModelBase Class](#_B5310C8C_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# AbstractModelBase.AbstractModelBase Events

The [AbstractModelBase](#_B5310C8C_Topic) type exposes the following members.

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [PropertyChanged](#_631FF3B_Topic) |  |

## See Also

[AbstractModelBase Class](#_B5310C8C_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# AbstractModelBase.PropertyChanged Event

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public event PropertyChangedEventHandler PropertyChanged |

#### Value

Type: [System.ComponentModel.PropertyChangedEventHandler](http://msdn2.microsoft.com/en-us/library/hyza7z75)

#### Implements

[INotifyPropertyChanged.PropertyChanged](http://msdn2.microsoft.com/en-us/library/ms133023)

## See Also

[AbstractModelBase Class](#_B5310C8C_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# AntennaType Enumeration

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum AntennaType |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **OmniDirectional** | 0 |  |
|  | **OmniLOG30800** | 1 |  |
|  | **HyperLOG60200** | 2 |  |
|  | **SimradArgusRadar** | 3 |  |
|  | **Unknown** | 255 |  |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# DeviceSource Enumeration

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum DeviceSource |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **Unknown** | 0 | The source of the device is unknown |
|  | **User** | 1 | The device was created by the user |
|  | **Automatic** | 2 | The device was automatically generated |
|  | **DataImport** | 3 | The device comes from a data import |
|  | **SimulationResult** | 4 | The device comes from a simulation result |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# DeviceType Enumeration

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum DeviceType |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **Unknown** | 0 | Unknown DeviceType |
|  | **Receiver** | 1 | Receiver |
|  | **Transmitter** | 2 | Transmitter |
|  | **Reference** | 3 | Reference Transmitter |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult Class

Represent The Geo Localization Result Of A RFDevice.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Models.AbstractModelBase](#_B5310C8C_Topic)  
    SIGENCEScenarioTool.Models.GeoLocalizationResult

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class GeoLocalizationResult : AbstractModelBase,   IEquatable<GeoLocalizationResult>, ICloneable, IXmlExport |

The **GeoLocalizationResult** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [GeoLocalizationResult](#_4303436_Topic) | Initializes a new instance of the **GeoLocalizationResult** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Altitude](#_76081002_Topic) | The Elevation Of The Localized RF Device Above The Sea Level (Meter). |
| Public property | [Id](#_536421BD_Topic) | The Id Of The Localized RFDevice. |
| Public property | [Latitude](#_966F0F53_Topic) | The Latitude Of The Localized RF Device (WGS84). |
| Public property | [LocalizationTime](#_F86913B3_Topic) | The Localization Time. |
| Public property | [Longitude](#_5184CB9F_Topic) | The Longitude Of The Localized RF Device (WGS84). |
| Public property | [PrimaryKey](#_18862557_Topic) | The Unique PrimarKey For This Result. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Clone](#_923A8DE_Topic) |  |
| Public method | [Equals(Object)](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Equals(GeoLocalizationResult)](#_22617A72_Topic) |  |
| Public methodStatic member | [FromXml](#_89E1F14B_Topic) |  |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToXml](#_CB84B0C_Topic) |  |

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [PropertyChanged](#_631FF3B_Topic) | (Inherited from [AbstractModelBase](#_B5310C8C_Topic).) |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [ALTITUDE](#_19B04123_Topic) | The PropertyName As ReadOnly String For Altitude. |
| Public fieldStatic member | [DEFAULT\_ALTITUDE](#_433F09A4_Topic) | The DefaultValue For Altitude. |
| Public fieldStatic member | [DEFAULT\_ID](#_A4CDD20E_Topic) | The DefaultValue For Id. |
| Public fieldStatic member | [DEFAULT\_LATITUDE](#_97480811_Topic) | The DefaultValue For Latitude. |
| Public fieldStatic member | [DEFAULT\_LOCALIZATIONTIME](#_C839ECB3_Topic) | The DefaultValue For LocalizationTime. |
| Public fieldStatic member | [DEFAULT\_LONGITUDE](#_22CE31F1_Topic) | The DefaultValue For Longitude. |
| Public fieldStatic member | [DEFAULT\_PRIMARYKEY](#_B378B755_Topic) | The DefaultValue For PrimaryKey. |
| Public fieldStatic member | [ID](#_9EA32AFF_Topic) | The PropertyName As ReadOnly String For Id. |
| Public fieldStatic member | [LATITUDE](#_3A174108_Topic) | The PropertyName As ReadOnly String For Latitude. |
| Public fieldStatic member | [LOCALIZATIONTIME](#_BDA9FE40_Topic) | The PropertyName As ReadOnly String For LocalizationTime. |
| Public fieldStatic member | [LONGITUDE](#_F4A0FCC6_Topic) | The PropertyName As ReadOnly String For Longitude. |
| Public fieldStatic member | [PRIMARYKEY](#_6AA7600_Topic) | The PropertyName As ReadOnly String For PrimaryKey. |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult Constructor

Initializes a new instance of the [GeoLocalizationResult](#_11F85B0B_Topic) class

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoLocalizationResult() |

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.GeoLocalizationResult Properties

The [GeoLocalizationResult](#_11F85B0B_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Altitude](#_76081002_Topic) | The Elevation Of The Localized RF Device Above The Sea Level (Meter). |
| Public property | [Id](#_536421BD_Topic) | The Id Of The Localized RFDevice. |
| Public property | [Latitude](#_966F0F53_Topic) | The Latitude Of The Localized RF Device (WGS84). |
| Public property | [LocalizationTime](#_F86913B3_Topic) | The Localization Time. |
| Public property | [Longitude](#_5184CB9F_Topic) | The Longitude Of The Localized RF Device (WGS84). |
| Public property | [PrimaryKey](#_18862557_Topic) | The Unique PrimarKey For This Result. |

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Altitude Property

The Elevation Of The Localized RF Device Above The Sea Level (Meter).

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public uint Altitude { get; set; } |

#### Property Value

Type: [UInt32](http://msdn2.microsoft.com/en-us/library/ctys3981)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Id Property

The Id Of The Localized RFDevice.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public int Id { get; set; } |

#### Property Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Latitude Property

The Latitude Of The Localized RF Device (WGS84).

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double Latitude { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.LocalizationTime Property

The Localization Time.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double LocalizationTime { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Longitude Property

The Longitude Of The Localized RF Device (WGS84).

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double Longitude { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.PrimaryKey Property

The Unique PrimarKey For This Result.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Guid PrimaryKey { get; set; } |

#### Property Value

Type: [Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.GeoLocalizationResult Methods

The [GeoLocalizationResult](#_11F85B0B_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Clone](#_923A8DE_Topic) |  |
| Public method | [Equals(Object)](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Equals(GeoLocalizationResult)](#_22617A72_Topic) |  |
| Public methodStatic member | [FromXml](#_89E1F14B_Topic) |  |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToXml](#_CB84B0C_Topic) |  |

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Clone Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoLocalizationResult Clone() |

#### Return Value

Type: [GeoLocalizationResult](#_11F85B0B_Topic)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Equals Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals(Object)](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Equals(GeoLocalizationResult)](#_22617A72_Topic) |  |

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.Equals Method (GeoLocalizationResult)

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public bool Equals(  GeoLocalizationResult other ) |

#### Parameters

other

Type: [SIGENCEScenarioTool.Models.GeoLocalizationResult](#_11F85B0B_Topic)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

#### Implements

[IEquatable(T).Equals(T)](http://msdn2.microsoft.com/en-us/library/ms131190)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[Equals Overload](#_F1C1C3B0_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.FromXml Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static GeoLocalizationResult FromXml(  XElement eRoot ) |

#### Parameters

eRoot

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

#### Return Value

Type: [GeoLocalizationResult](#_11F85B0B_Topic)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.ToXml Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public XElement ToXml() |

#### Return Value

Type: [XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

#### Implements

[IXmlExport.ToXml()](#_106F9F90_Topic)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.GeoLocalizationResult Events

The [GeoLocalizationResult](#_11F85B0B_Topic) type exposes the following members.

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [PropertyChanged](#_631FF3B_Topic) | (Inherited from [AbstractModelBase](#_B5310C8C_Topic).) |

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.GeoLocalizationResult Fields

The [GeoLocalizationResult](#_11F85B0B_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [ALTITUDE](#_19B04123_Topic) | The PropertyName As ReadOnly String For Altitude. |
| Public fieldStatic member | [DEFAULT\_ALTITUDE](#_433F09A4_Topic) | The DefaultValue For Altitude. |
| Public fieldStatic member | [DEFAULT\_ID](#_A4CDD20E_Topic) | The DefaultValue For Id. |
| Public fieldStatic member | [DEFAULT\_LATITUDE](#_97480811_Topic) | The DefaultValue For Latitude. |
| Public fieldStatic member | [DEFAULT\_LOCALIZATIONTIME](#_C839ECB3_Topic) | The DefaultValue For LocalizationTime. |
| Public fieldStatic member | [DEFAULT\_LONGITUDE](#_22CE31F1_Topic) | The DefaultValue For Longitude. |
| Public fieldStatic member | [DEFAULT\_PRIMARYKEY](#_B378B755_Topic) | The DefaultValue For PrimaryKey. |
| Public fieldStatic member | [ID](#_9EA32AFF_Topic) | The PropertyName As ReadOnly String For Id. |
| Public fieldStatic member | [LATITUDE](#_3A174108_Topic) | The PropertyName As ReadOnly String For Latitude. |
| Public fieldStatic member | [LOCALIZATIONTIME](#_BDA9FE40_Topic) | The PropertyName As ReadOnly String For LocalizationTime. |
| Public fieldStatic member | [LONGITUDE](#_F4A0FCC6_Topic) | The PropertyName As ReadOnly String For Longitude. |
| Public fieldStatic member | [PRIMARYKEY](#_6AA7600_Topic) | The PropertyName As ReadOnly String For PrimaryKey. |

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.ALTITUDE Field

The PropertyName As ReadOnly String For Altitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ALTITUDE = "Altitude" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.DEFAULT\_ALTITUDE Field

The DefaultValue For Altitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly uint DEFAULT\_ALTITUDE |

#### Field Value

Type: [UInt32](http://msdn2.microsoft.com/en-us/library/ctys3981)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.DEFAULT\_ID Field

The DefaultValue For Id.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly int DEFAULT\_ID |

#### Field Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.DEFAULT\_LATITUDE Field

The DefaultValue For Latitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_LATITUDE |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.DEFAULT\_LOCALIZATIONTIME Field

The DefaultValue For LocalizationTime.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_LOCALIZATIONTIME |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.DEFAULT\_LONGITUDE Field

The DefaultValue For Longitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_LONGITUDE |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.DEFAULT\_PRIMARYKEY Field

The DefaultValue For PrimaryKey.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Guid DEFAULT\_PRIMARYKEY |

#### Field Value

Type: [Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.ID Field

The PropertyName As ReadOnly String For Id.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ID = "Id" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.LATITUDE Field

The PropertyName As ReadOnly String For Latitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string LATITUDE = "Latitude" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.LOCALIZATIONTIME Field

The PropertyName As ReadOnly String For LocalizationTime.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string LOCALIZATIONTIME = "LocalizationTime" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.LONGITUDE Field

The PropertyName As ReadOnly String For Longitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string LONGITUDE = "Longitude" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResult.PRIMARYKEY Field

The PropertyName As ReadOnly String For PrimaryKey.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string PRIMARYKEY = "PrimaryKey" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoLocalizationResult Class](#_11F85B0B_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic))  
    SIGENCEScenarioTool.Models.GeoLocalizationResultList

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class GeoLocalizationResultList : List<GeoLocalizationResult> |

The **GeoLocalizationResultList** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [GeoLocalizationResultList()](#_3D634A9F_Topic) | Initializes a new instance of the **GeoLocalizationResultList** class. |
| Public method | [GeoLocalizationResultList(Int32)](#_122EAAE4_Topic) | Initializes a new instance of the **GeoLocalizationResultList** class. |
| Public method | [GeoLocalizationResultList(IEnumerable(GeoLocalizationResult))](#_1231AAE4_Topic) | Initializes a new instance of the **GeoLocalizationResultList** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(GeoLocalizationResult)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |
| Public Extension Method | [SaveAsXml(GeoLocalizationResult)](#_6E561BA7_Topic) | Saves the list as XML. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList Constructor

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [GeoLocalizationResultList()](#_3D634A9F_Topic) | Initializes a new instance of the [GeoLocalizationResultList](#_F43157A0_Topic) class. |
| Public method | [GeoLocalizationResultList(Int32)](#_122EAAE4_Topic) | Initializes a new instance of the [GeoLocalizationResultList](#_F43157A0_Topic) class. |
| Public method | [GeoLocalizationResultList(IEnumerable(GeoLocalizationResult))](#_1231AAE4_Topic) | Initializes a new instance of the [GeoLocalizationResultList](#_F43157A0_Topic) class. |

## See Also

[GeoLocalizationResultList Class](#_F43157A0_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList Constructor

Initializes a new instance of the [GeoLocalizationResultList](#_F43157A0_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoLocalizationResultList() |

## See Also

[GeoLocalizationResultList Class](#_F43157A0_Topic)

[GeoLocalizationResultList Overload](#_495A91AC_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList Constructor (Int32)

Initializes a new instance of the [GeoLocalizationResultList](#_F43157A0_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoLocalizationResultList(  int iInitialSize ) |

#### Parameters

iInitialSize

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Initial size of the i.

## See Also

[GeoLocalizationResultList Class](#_F43157A0_Topic)

[GeoLocalizationResultList Overload](#_495A91AC_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList Constructor (IEnumerable(GeoLocalizationResult))

Initializes a new instance of the [GeoLocalizationResultList](#_F43157A0_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public GeoLocalizationResultList(  IEnumerable<GeoLocalizationResult> collection ) |

#### Parameters

collection

Type: [System.Collections.Generic.IEnumerable](http://msdn2.microsoft.com/en-us/library/9eekhta0)([GeoLocalizationResult](#_11F85B0B_Topic))

Die Auflistung, deren Elemente in die neue Liste kopiert werden.

## See Also

[GeoLocalizationResultList Class](#_F43157A0_Topic)

[GeoLocalizationResultList Overload](#_495A91AC_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList.GeoLocalizationResultList Properties

The [GeoLocalizationResultList](#_F43157A0_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |

## See Also

[GeoLocalizationResultList Class](#_F43157A0_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# GeoLocalizationResultList.GeoLocalizationResultList Methods

The [GeoLocalizationResultList](#_F43157A0_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([GeoLocalizationResult](#_11F85B0B_Topic)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(GeoLocalizationResult)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |
| Public Extension Method | [SaveAsXml(GeoLocalizationResult)](#_6E561BA7_Topic) | Saves the list as XML. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[GeoLocalizationResultList Class](#_F43157A0_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice Class

Represent A Device Based On A Radio Frequency.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [SIGENCEScenarioTool.Models.AbstractModelBase](#_B5310C8C_Topic)  
    SIGENCEScenarioTool.Models.RFDevice

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class RFDevice : AbstractModelBase,   IEquatable<RFDevice>, ICloneable, IXmlExport |

The **RFDevice** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [RFDevice](#_1341A9D1_Topic) | Initializes a new instance of the **RFDevice** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Altitude](#_7070377_Topic) | The Elevation Of The RF Device Above The Sea Level (Meter). |
| Public property | [AntennaType](#_1A34799E_Topic) | AntennaType Defines The Antenna Type Used For Transmitter And Receiver Respectively. Note: Currently, Only Omnidirectional Antenna Type Is Available / Supported. |
| Public property | [Bandwidth\_Hz](#_2A6D51DF_Topic) | The Bandwith Of The Transmitter. |
| Public property | [CenterFrequency\_Hz](#_C88091BE_Topic) | For Transmitters (I.E. Id’s >= 0) This Parameter Defines Transmitter Signal Center Frequency [Hz]. For Receivers (I.E. Id’s < 0) This Parameter Is Currently Unused. |
| Public property | [DeviceSource](#_84AF726_Topic) | The Source Of This RF Device. |
| Public property | [Gain\_dB](#_3C09479B_Topic) | For Transmitters (I.E. Id’s >= 0) This Parameter Defines Transmitter Signal Power [Dbm]. For Receivers (I.E. Id’s < 0) This Parameter Is Currently Unused. |
| Public property | [Id](#_3927153A_Topic) | Every Scenario Element (I.E. Transmitter, Receiver) Must Be Assigned An Unique Id. Negative Id’S Are Reserved For Receivers While All Other Id’S Are Transmitters By Default. Some Applications (I.E. Tdoa Emitter Localization) Require A Reference Transmitter. For These Applications Id=0 Is The Reference Transmitter. Receivers Must Be Assigned First In The Table, Followed Be Transmitters (With Id=0 Being The First). After The Static Scenario, Update Of Id’S Requires No Specific Order. Note That Definition Of New Transmitters/Receivers After The Static Scenario Is Prohibited. |
| Public property | [Latitude](#_909C2B5E_Topic) | The Latitude Of The RF Device (WGS84). |
| Public property | [Longitude](#_9107DF1B_Topic) | The Longitude Of The RF Device (WGS84). |
| Public property | [Name](#_CE1536AD_Topic) | A Short Describing Display Name For The RF Device. |
| Public property | [Pitch](#_A120FA91_Topic) | These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers. |
| Public property | [PrimaryKey](#_8FE11BFC_Topic) | The Unique PrimarKey For This RF Device. |
| Public property | [Remark](#_CD570F26_Topic) | A Comment Or Remark For The RF Device. |
| Public property | [Roll](#_2997ADF0_Topic) | These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers. |
| Public property | [RxTxType](#_F8F99A40_Topic) | For All Receivers (i.e. ID’s < 0) This Parameter Defines The Radio Being Used. |
| Public property | [SignalToNoiseRatio\_dB](#_CFB45E6_Topic) | For Receivers (I.E. Id’s < 0) This Parameter Is Imposes Gaussian White Noise To The Respective Receiver Signal. For Transmitters (I.E. Id’s >= 0) This Parameter Is Unused. |
| Public property | [StartTime](#_663F124C_Topic) | This Is The Simulation Time At Which The Parameters (Following The Time Parameter In The Same Line) Are Set. All Transmitters And Receivers Used In The Simulation Must Be Set At Start Of The Simulation, I.E. At Time=0. For Static Scenarios, Where Positions Or Characteristics Settings Never Change Throughout The Simulation, The Time Column Only Contains Zero’s. |
| Public property | [XPos](#_86CE3BFD_Topic) | XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position. |
| Public property | [Yaw](#_260CC74A_Topic) | These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers. |
| Public property | [YPos](#_E426C762_Topic) | XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position. |
| Public property | [ZPos](#_417F52C7_Topic) | XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Clone](#_8B5C23B1_Topic) | Clones this instance. |
| Public method | [Equals(Object)](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Equals(RFDevice)](#_959A1F7C_Topic) | Gibt an, ob das aktuelle Objekt gleich einem anderen Objekt des gleichen Typs ist. |
| Public methodStatic member | [FromXml](#_13E8C3BE_Topic) | Froms the XML. |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](#_B7150D0_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [Object.ToString()](http://msdn2.microsoft.com/en-us/library/7bxwbwt2).) |
| Public method | [ToXml](#_20C20244_Topic) | To the XML. |
| Public method | [Validate](#_FB7427C9_Topic) |  |

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [PropertyChanged](#_631FF3B_Topic) | (Inherited from [AbstractModelBase](#_B5310C8C_Topic).) |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [ALTITUDE](#_871666FC_Topic) | The PropertyName As ReadOnly String For Altitude. |
| Public fieldStatic member | [ANTENNATYPE](#_E0404E13_Topic) | The PropertyName As ReadOnly String For AntennaType. |
| Public fieldStatic member | [BANDWIDTH\_HZ](#_F91A5AFC_Topic) | The PropertyName As ReadOnly String For Bandwidth\_Hz. |
| Public fieldStatic member | [CENTERFREQUENCY\_HZ](#_36D8A6F8_Topic) | The PropertyName As ReadOnly String For CenterFrequency\_Hz. |
| Public fieldStatic member | [DEFAULT\_ALTITUDE](#_AF51F344_Topic) | The DefaultValue For Altitude. |
| Public fieldStatic member | [DEFAULT\_ANTENNATYPE](#_44E5ED78_Topic) | The DefaultValue For AntennaType. |
| Public fieldStatic member | [DEFAULT\_BANDWIDTH\_HZ](#_84C4C6DB_Topic) | The DefaultValue For Bandwidth\_Hz. |
| Public fieldStatic member | [DEFAULT\_CENTERFREQUENCY\_HZ](#_5095E270_Topic) | The DefaultValue For CenterFrequency\_Hz. |
| Public fieldStatic member | [DEFAULT\_DEVICESOURCE](#_73000D8D_Topic) | The DefaultValue For DeviceSource. |
| Public fieldStatic member | [DEFAULT\_GAIN\_DB](#_B4B65E92_Topic) | The DefaultValue For Gain\_dB. |
| Public fieldStatic member | [DEFAULT\_ID](#_31961989_Topic) | The DefaultValue For Id. |
| Public fieldStatic member | [DEFAULT\_LATITUDE](#_DD3B68AB_Topic) | The DefaultValue For Latitude. |
| Public fieldStatic member | [DEFAULT\_LONGITUDE](#_D8A69DB3_Topic) | The DefaultValue For Longitude. |
| Public fieldStatic member | [DEFAULT\_NAME](#_25B182C3_Topic) | The DefaultValue For Name. |
| Public fieldStatic member | [DEFAULT\_PITCH](#_F7BAA8B8_Topic) | The DefaultValue For Pitch. |
| Public fieldStatic member | [DEFAULT\_PRIMARYKEY](#_EBCEB344_Topic) | The DefaultValue For PrimaryKey. |
| Public fieldStatic member | [DEFAULT\_REMARK](#_9BDF9359_Topic) | The DefaultValue For Remark. |
| Public fieldStatic member | [DEFAULT\_ROLL](#_FAEFC1CE_Topic) | The DefaultValue For Roll. |
| Public fieldStatic member | [DEFAULT\_RXTXTYPE](#_8999AAB1_Topic) | The DefaultValue For RxTxType. |
| Public fieldStatic member | [DEFAULT\_SIGNALTONOISERATIO\_DB](#_AA9BD229_Topic) | The DefaultValue For SignalToNoiseRatio\_dB. |
| Public fieldStatic member | [DEFAULT\_STARTTIME](#_6A068D79_Topic) | The DefaultValue For StartTime. |
| Public fieldStatic member | [DEFAULT\_XPOS](#_6CF47D6F_Topic) | The DefaultValue For XPos. |
| Public fieldStatic member | [DEFAULT\_YAW](#_886B08EC_Topic) | The DefaultValue For Yaw. |
| Public fieldStatic member | [DEFAULT\_YPOS](#_CA4D08D4_Topic) | The DefaultValue For YPos. |
| Public fieldStatic member | [DEFAULT\_ZPOS](#_B24366A5_Topic) | The DefaultValue For ZPos. |
| Public fieldStatic member | [DEVICESOURCE](#_8A3ECF3B_Topic) | The PropertyName As ReadOnly String For DeviceSource. |
| Public fieldStatic member | [GAIN\_DB](#_BC5EA470_Topic) | The PropertyName As ReadOnly String For Gain\_dB. |
| Public fieldStatic member | [ID](#_EE84617B_Topic) | The PropertyName As ReadOnly String For Id. |
| Public fieldStatic member | [LATITUDE](#_10AB8EE3_Topic) | The PropertyName As ReadOnly String For Latitude. |
| Public fieldStatic member | [LONGITUDE](#_12B33C9A_Topic) | The PropertyName As ReadOnly String For Longitude. |
| Public fieldStatic member | [NAME](#_2F1A0AF5_Topic) | The PropertyName As ReadOnly String For Name. |
| Public fieldStatic member | [PITCH](#_229CF09_Topic) | The PropertyName As ReadOnly String For Pitch. |
| Public fieldStatic member | [PRIMARYKEY](#_FF078DF_Topic) | The PropertyName As ReadOnly String For PrimaryKey. |
| Public fieldStatic member | [REMARK](#_2E5BE36E_Topic) | The PropertyName As ReadOnly String For Remark. |
| Public fieldStatic member | [ROLL](#_8A8E8238_Topic) | The PropertyName As ReadOnly String For Roll. |
| Public fieldStatic member | [RXTXTYPE](#_794AFDE5_Topic) | The PropertyName As ReadOnly String For RxTxType. |
| Public fieldStatic member | [SIGNALTONOISERATIO\_DB](#_3AD2A7F8_Topic) | The PropertyName As ReadOnly String For SignalToNoiseRatio\_dB. |
| Public fieldStatic member | [STARTTIME](#_E8B4713F_Topic) | The PropertyName As ReadOnly String For StartTime. |
| Public fieldStatic member | [XPOS](#_E7D71045_Topic) | The PropertyName As ReadOnly String For XPos. |
| Public fieldStatic member | [YAW](#_87139BC2_Topic) | The PropertyName As ReadOnly String For Yaw. |
| Public fieldStatic member | [YPOS](#_452F9BAA_Topic) | The PropertyName As ReadOnly String For YPos. |
| Public fieldStatic member | [ZPOS](#_A288270F_Topic) | The PropertyName As ReadOnly String For ZPos. |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [WithAltitude](#_DD5D0F5B_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithAntennaType](#_E2FD70FD_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithBandwidth\_Hz](#_AEC2C9E8_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithCenterFrequency\_Hz](#_F231A1D9_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithDeviceSource](#_B7F5B5A6_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithGain\_dB](#_F6B210D_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithId](#_38DA441F_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithLatitude](#_DE880E3E_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithLongitude](#_8BF594B8_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithName](#_C12B4196_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithPitch](#_16005074_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithPrimaryKey](#_C8506DAB_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithRemark](#_9183D6DB_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithRoll](#_4EBECCEF_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithRxTxType](#_F595292C_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithSignalToNoiseRatio\_dB](#_E1029C9F_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithStartTime](#_5CAEAAF7_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithXPos](#_BDB2ABA_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithYaw](#_CABE1943_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithYPos](#_BDB2ABB_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithZPos](#_BDB2AB8_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

**[!:System.IEquatable<SIGENCEScenarioTool.Models.RFDevice>]**

[System.ComponentModel.INotifyPropertyChanged](http://msdn2.microsoft.com/en-us/library/ms133020)

[System.ICloneable](http://msdn2.microsoft.com/en-us/library/hdf3zaf2)

[SIGENCEScenarioTool.Interfaces.IXmlExport](#_7A6C2FDF_Topic)

# RFDevice Constructor

Initializes a new instance of the [RFDevice](#_7886E387_Topic) class

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RFDevice() |

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.RFDevice Properties

The [RFDevice](#_7886E387_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Altitude](#_7070377_Topic) | The Elevation Of The RF Device Above The Sea Level (Meter). |
| Public property | [AntennaType](#_1A34799E_Topic) | AntennaType Defines The Antenna Type Used For Transmitter And Receiver Respectively. Note: Currently, Only Omnidirectional Antenna Type Is Available / Supported. |
| Public property | [Bandwidth\_Hz](#_2A6D51DF_Topic) | The Bandwith Of The Transmitter. |
| Public property | [CenterFrequency\_Hz](#_C88091BE_Topic) | For Transmitters (I.E. Id’s >= 0) This Parameter Defines Transmitter Signal Center Frequency [Hz]. For Receivers (I.E. Id’s < 0) This Parameter Is Currently Unused. |
| Public property | [DeviceSource](#_84AF726_Topic) | The Source Of This RF Device. |
| Public property | [Gain\_dB](#_3C09479B_Topic) | For Transmitters (I.E. Id’s >= 0) This Parameter Defines Transmitter Signal Power [Dbm]. For Receivers (I.E. Id’s < 0) This Parameter Is Currently Unused. |
| Public property | [Id](#_3927153A_Topic) | Every Scenario Element (I.E. Transmitter, Receiver) Must Be Assigned An Unique Id. Negative Id’S Are Reserved For Receivers While All Other Id’S Are Transmitters By Default. Some Applications (I.E. Tdoa Emitter Localization) Require A Reference Transmitter. For These Applications Id=0 Is The Reference Transmitter. Receivers Must Be Assigned First In The Table, Followed Be Transmitters (With Id=0 Being The First). After The Static Scenario, Update Of Id’S Requires No Specific Order. Note That Definition Of New Transmitters/Receivers After The Static Scenario Is Prohibited. |
| Public property | [Latitude](#_909C2B5E_Topic) | The Latitude Of The RF Device (WGS84). |
| Public property | [Longitude](#_9107DF1B_Topic) | The Longitude Of The RF Device (WGS84). |
| Public property | [Name](#_CE1536AD_Topic) | A Short Describing Display Name For The RF Device. |
| Public property | [Pitch](#_A120FA91_Topic) | These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers. |
| Public property | [PrimaryKey](#_8FE11BFC_Topic) | The Unique PrimarKey For This RF Device. |
| Public property | [Remark](#_CD570F26_Topic) | A Comment Or Remark For The RF Device. |
| Public property | [Roll](#_2997ADF0_Topic) | These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers. |
| Public property | [RxTxType](#_F8F99A40_Topic) | For All Receivers (i.e. ID’s < 0) This Parameter Defines The Radio Being Used. |
| Public property | [SignalToNoiseRatio\_dB](#_CFB45E6_Topic) | For Receivers (I.E. Id’s < 0) This Parameter Is Imposes Gaussian White Noise To The Respective Receiver Signal. For Transmitters (I.E. Id’s >= 0) This Parameter Is Unused. |
| Public property | [StartTime](#_663F124C_Topic) | This Is The Simulation Time At Which The Parameters (Following The Time Parameter In The Same Line) Are Set. All Transmitters And Receivers Used In The Simulation Must Be Set At Start Of The Simulation, I.E. At Time=0. For Static Scenarios, Where Positions Or Characteristics Settings Never Change Throughout The Simulation, The Time Column Only Contains Zero’s. |
| Public property | [XPos](#_86CE3BFD_Topic) | XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position. |
| Public property | [Yaw](#_260CC74A_Topic) | These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers. |
| Public property | [YPos](#_E426C762_Topic) | XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position. |
| Public property | [ZPos](#_417F52C7_Topic) | XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position. |

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Altitude Property

The Elevation Of The RF Device Above The Sea Level (Meter).

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Altitude Altitude { get; set; } |

#### Property Value

Type: [Altitude](#_6A9A61AE_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.AntennaType Property

AntennaType Defines The Antenna Type Used For Transmitter And Receiver Respectively. Note: Currently, Only Omnidirectional Antenna Type Is Available / Supported.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public AntennaType AntennaType { get; set; } |

#### Property Value

Type: [AntennaType](#_30813101_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Bandwidth\_Hz Property

The Bandwith Of The Transmitter.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Bandwidth Bandwidth\_Hz { get; set; } |

#### Property Value

Type: [Bandwidth](#_A7A6A49B_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.CenterFrequency\_Hz Property

For Transmitters (I.E. Id’s >= 0) This Parameter Defines Transmitter Signal Center Frequency [Hz]. For Receivers (I.E. Id’s < 0) This Parameter Is Currently Unused.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Frequency CenterFrequency\_Hz { get; set; } |

#### Property Value

Type: [Frequency](#_90ACF8AA_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DeviceSource Property

The Source Of This RF Device.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public DeviceSource DeviceSource { get; set; } |

#### Property Value

Type: [DeviceSource](#_93B85C6C_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Gain\_dB Property

For Transmitters (I.E. Id’s >= 0) This Parameter Defines Transmitter Signal Power [Dbm]. For Receivers (I.E. Id’s < 0) This Parameter Is Currently Unused.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Gain Gain\_dB { get; set; } |

#### Property Value

Type: [Gain](#_C8F28179_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Id Property

Every Scenario Element (I.E. Transmitter, Receiver) Must Be Assigned An Unique Id. Negative Id’S Are Reserved For Receivers While All Other Id’S Are Transmitters By Default. Some Applications (I.E. Tdoa Emitter Localization) Require A Reference Transmitter. For These Applications Id=0 Is The Reference Transmitter. Receivers Must Be Assigned First In The Table, Followed Be Transmitters (With Id=0 Being The First). After The Static Scenario, Update Of Id’S Requires No Specific Order. Note That Definition Of New Transmitters/Receivers After The Static Scenario Is Prohibited.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public int Id { get; set; } |

#### Property Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Latitude Property

The Latitude Of The RF Device (WGS84).

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Latitude Latitude { get; set; } |

#### Property Value

Type: [Latitude](#_6A3D60D3_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Longitude Property

The Longitude Of The RF Device (WGS84).

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Longitude Longitude { get; set; } |

#### Property Value

Type: [Longitude](#_77376669_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Name Property

A Short Describing Display Name For The RF Device.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Name { get; set; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Pitch Property

These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double Pitch { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.PrimaryKey Property

The Unique PrimarKey For This RF Device.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Guid PrimaryKey { get; set; } |

#### Property Value

Type: [Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Remark Property

A Comment Or Remark For The RF Device.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Remark { get; set; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Roll Property

These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double Roll { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.RxTxType Property

For All Receivers (i.e. ID’s < 0) This Parameter Defines The Radio Being Used.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RxTxType RxTxType { get; set; } |

#### Property Value

Type: [RxTxType](#_7768F88C_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.SignalToNoiseRatio\_dB Property

For Receivers (I.E. Id’s < 0) This Parameter Is Imposes Gaussian White Noise To The Respective Receiver Signal. For Transmitters (I.E. Id’s >= 0) This Parameter Is Unused.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public SignalToNoiseRatio SignalToNoiseRatio\_dB { get; set; } |

#### Property Value

Type: [SignalToNoiseRatio](#_9D2108AA_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.StartTime Property

This Is The Simulation Time At Which The Parameters (Following The Time Parameter In The Same Line) Are Set. All Transmitters And Receivers Used In The Simulation Must Be Set At Start Of The Simulation, I.E. At Time=0. For Static Scenarios, Where Positions Or Characteristics Settings Never Change Throughout The Simulation, The Time Column Only Contains Zero’s.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double StartTime { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.XPos Property

XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public int XPos { get; set; } |

#### Property Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Yaw Property

These Parameters Set The Orientation Of Transmitter / Receiver Antennas. The Respective Antenna Type Is Defined By Antennatype. The Rf Simulation Uses The Antenna Orientation To Compute The Resulting Signal Power At The Receivers.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public double Yaw { get; set; } |

#### Property Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.YPos Property

XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public int YPos { get; set; } |

#### Property Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ZPos Property

XPos,YPos,ZPos Define The Transmitter / Receiver Positions In A Local Coordinate System With The Transmitter (ID=0) Being The Center Position.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public int ZPos { get; set; } |

#### Property Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.RFDevice Methods

The [RFDevice](#_7886E387_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Clone](#_8B5C23B1_Topic) | Clones this instance. |
| Public method | [Equals(Object)](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Equals(RFDevice)](#_959A1F7C_Topic) | Gibt an, ob das aktuelle Objekt gleich einem anderen Objekt des gleichen Typs ist. |
| Public methodStatic member | [FromXml](#_13E8C3BE_Topic) | Froms the XML. |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](#_B7150D0_Topic) | Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance. (Overrides [Object.ToString()](http://msdn2.microsoft.com/en-us/library/7bxwbwt2).) |
| Public method | [ToXml](#_20C20244_Topic) | To the XML. |
| Public method | [Validate](#_FB7427C9_Topic) |  |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [WithAltitude](#_DD5D0F5B_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithAntennaType](#_E2FD70FD_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithBandwidth\_Hz](#_AEC2C9E8_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithCenterFrequency\_Hz](#_F231A1D9_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithDeviceSource](#_B7F5B5A6_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithGain\_dB](#_F6B210D_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithId](#_38DA441F_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithLatitude](#_DE880E3E_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithLongitude](#_8BF594B8_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithName](#_C12B4196_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithPitch](#_16005074_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithPrimaryKey](#_C8506DAB_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithRemark](#_9183D6DB_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithRoll](#_4EBECCEF_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithRxTxType](#_F595292C_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithSignalToNoiseRatio\_dB](#_E1029C9F_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithStartTime](#_5CAEAAF7_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithXPos](#_BDB2ABA_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithYaw](#_CABE1943_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithYPos](#_BDB2ABB_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |
| Public Extension Method | [WithZPos](#_BDB2AB8_Topic) | (Defined by [RFDeviceExtensions](#_3FDAE982_Topic).) |

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Clone Method

Clones this instance.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RFDevice Clone() |

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Equals Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals(Object)](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Equals(RFDevice)](#_959A1F7C_Topic) | Gibt an, ob das aktuelle Objekt gleich einem anderen Objekt des gleichen Typs ist. |

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Equals Method (RFDevice)

Gibt an, ob das aktuelle Objekt gleich einem anderen Objekt des gleichen Typs ist.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public bool Equals(  RFDevice other ) |

#### Parameters

other

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

Ein Objekt, das mit diesem Objekt verglichen werden soll.

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)  
true, wenn das aktuelle Objekt gleich dem other-Parameter ist, andernfalls false.

#### Implements

[IEquatable(T).Equals(T)](http://msdn2.microsoft.com/en-us/library/ms131190)

## See Also

[RFDevice Class](#_7886E387_Topic)

[Equals Overload](#_7B867A78_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.FromXml Method

Froms the XML.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice FromXml(  XElement eRoot ) |

#### Parameters

eRoot

Type: [System.Xml.Linq.XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

The e root.

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ToString Method

Returns a [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public override string ToString() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
A [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) that represents this instance.

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ToXml Method

To the XML.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public XElement ToXml() |

#### Return Value

Type: [XElement](http://msdn2.microsoft.com/en-us/library/bb340098)

#### Implements

[IXmlExport.ToXml()](#_106F9F90_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.Validate Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public ValidationResultList Validate() |

#### Return Value

Type: [ValidationResultList](#_8FAADE5D_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.RFDevice Events

The [RFDevice](#_7886E387_Topic) type exposes the following members.

## Events

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public event | [PropertyChanged](#_631FF3B_Topic) | (Inherited from [AbstractModelBase](#_B5310C8C_Topic).) |

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.RFDevice Fields

The [RFDevice](#_7886E387_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [ALTITUDE](#_871666FC_Topic) | The PropertyName As ReadOnly String For Altitude. |
| Public fieldStatic member | [ANTENNATYPE](#_E0404E13_Topic) | The PropertyName As ReadOnly String For AntennaType. |
| Public fieldStatic member | [BANDWIDTH\_HZ](#_F91A5AFC_Topic) | The PropertyName As ReadOnly String For Bandwidth\_Hz. |
| Public fieldStatic member | [CENTERFREQUENCY\_HZ](#_36D8A6F8_Topic) | The PropertyName As ReadOnly String For CenterFrequency\_Hz. |
| Public fieldStatic member | [DEFAULT\_ALTITUDE](#_AF51F344_Topic) | The DefaultValue For Altitude. |
| Public fieldStatic member | [DEFAULT\_ANTENNATYPE](#_44E5ED78_Topic) | The DefaultValue For AntennaType. |
| Public fieldStatic member | [DEFAULT\_BANDWIDTH\_HZ](#_84C4C6DB_Topic) | The DefaultValue For Bandwidth\_Hz. |
| Public fieldStatic member | [DEFAULT\_CENTERFREQUENCY\_HZ](#_5095E270_Topic) | The DefaultValue For CenterFrequency\_Hz. |
| Public fieldStatic member | [DEFAULT\_DEVICESOURCE](#_73000D8D_Topic) | The DefaultValue For DeviceSource. |
| Public fieldStatic member | [DEFAULT\_GAIN\_DB](#_B4B65E92_Topic) | The DefaultValue For Gain\_dB. |
| Public fieldStatic member | [DEFAULT\_ID](#_31961989_Topic) | The DefaultValue For Id. |
| Public fieldStatic member | [DEFAULT\_LATITUDE](#_DD3B68AB_Topic) | The DefaultValue For Latitude. |
| Public fieldStatic member | [DEFAULT\_LONGITUDE](#_D8A69DB3_Topic) | The DefaultValue For Longitude. |
| Public fieldStatic member | [DEFAULT\_NAME](#_25B182C3_Topic) | The DefaultValue For Name. |
| Public fieldStatic member | [DEFAULT\_PITCH](#_F7BAA8B8_Topic) | The DefaultValue For Pitch. |
| Public fieldStatic member | [DEFAULT\_PRIMARYKEY](#_EBCEB344_Topic) | The DefaultValue For PrimaryKey. |
| Public fieldStatic member | [DEFAULT\_REMARK](#_9BDF9359_Topic) | The DefaultValue For Remark. |
| Public fieldStatic member | [DEFAULT\_ROLL](#_FAEFC1CE_Topic) | The DefaultValue For Roll. |
| Public fieldStatic member | [DEFAULT\_RXTXTYPE](#_8999AAB1_Topic) | The DefaultValue For RxTxType. |
| Public fieldStatic member | [DEFAULT\_SIGNALTONOISERATIO\_DB](#_AA9BD229_Topic) | The DefaultValue For SignalToNoiseRatio\_dB. |
| Public fieldStatic member | [DEFAULT\_STARTTIME](#_6A068D79_Topic) | The DefaultValue For StartTime. |
| Public fieldStatic member | [DEFAULT\_XPOS](#_6CF47D6F_Topic) | The DefaultValue For XPos. |
| Public fieldStatic member | [DEFAULT\_YAW](#_886B08EC_Topic) | The DefaultValue For Yaw. |
| Public fieldStatic member | [DEFAULT\_YPOS](#_CA4D08D4_Topic) | The DefaultValue For YPos. |
| Public fieldStatic member | [DEFAULT\_ZPOS](#_B24366A5_Topic) | The DefaultValue For ZPos. |
| Public fieldStatic member | [DEVICESOURCE](#_8A3ECF3B_Topic) | The PropertyName As ReadOnly String For DeviceSource. |
| Public fieldStatic member | [GAIN\_DB](#_BC5EA470_Topic) | The PropertyName As ReadOnly String For Gain\_dB. |
| Public fieldStatic member | [ID](#_EE84617B_Topic) | The PropertyName As ReadOnly String For Id. |
| Public fieldStatic member | [LATITUDE](#_10AB8EE3_Topic) | The PropertyName As ReadOnly String For Latitude. |
| Public fieldStatic member | [LONGITUDE](#_12B33C9A_Topic) | The PropertyName As ReadOnly String For Longitude. |
| Public fieldStatic member | [NAME](#_2F1A0AF5_Topic) | The PropertyName As ReadOnly String For Name. |
| Public fieldStatic member | [PITCH](#_229CF09_Topic) | The PropertyName As ReadOnly String For Pitch. |
| Public fieldStatic member | [PRIMARYKEY](#_FF078DF_Topic) | The PropertyName As ReadOnly String For PrimaryKey. |
| Public fieldStatic member | [REMARK](#_2E5BE36E_Topic) | The PropertyName As ReadOnly String For Remark. |
| Public fieldStatic member | [ROLL](#_8A8E8238_Topic) | The PropertyName As ReadOnly String For Roll. |
| Public fieldStatic member | [RXTXTYPE](#_794AFDE5_Topic) | The PropertyName As ReadOnly String For RxTxType. |
| Public fieldStatic member | [SIGNALTONOISERATIO\_DB](#_3AD2A7F8_Topic) | The PropertyName As ReadOnly String For SignalToNoiseRatio\_dB. |
| Public fieldStatic member | [STARTTIME](#_E8B4713F_Topic) | The PropertyName As ReadOnly String For StartTime. |
| Public fieldStatic member | [XPOS](#_E7D71045_Topic) | The PropertyName As ReadOnly String For XPos. |
| Public fieldStatic member | [YAW](#_87139BC2_Topic) | The PropertyName As ReadOnly String For Yaw. |
| Public fieldStatic member | [YPOS](#_452F9BAA_Topic) | The PropertyName As ReadOnly String For YPos. |
| Public fieldStatic member | [ZPOS](#_A288270F_Topic) | The PropertyName As ReadOnly String For ZPos. |

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ALTITUDE Field

The PropertyName As ReadOnly String For Altitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ALTITUDE = "Altitude" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ANTENNATYPE Field

The PropertyName As ReadOnly String For AntennaType.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ANTENNATYPE = "AntennaType" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.BANDWIDTH\_HZ Field

The PropertyName As ReadOnly String For Bandwidth\_Hz.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string BANDWIDTH\_HZ = "Bandwidth\_Hz" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.CENTERFREQUENCY\_HZ Field

The PropertyName As ReadOnly String For CenterFrequency\_Hz.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string CENTERFREQUENCY\_HZ = "CenterFrequency\_Hz" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_ALTITUDE Field

The DefaultValue For Altitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Altitude DEFAULT\_ALTITUDE |

#### Field Value

Type: [Altitude](#_6A9A61AE_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_ANTENNATYPE Field

The DefaultValue For AntennaType.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly AntennaType DEFAULT\_ANTENNATYPE |

#### Field Value

Type: [AntennaType](#_30813101_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_BANDWIDTH\_HZ Field

The DefaultValue For Bandwidth\_Hz.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Bandwidth DEFAULT\_BANDWIDTH\_HZ |

#### Field Value

Type: [Bandwidth](#_A7A6A49B_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_CENTERFREQUENCY\_HZ Field

The DefaultValue For CenterFrequency\_Hz.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Frequency DEFAULT\_CENTERFREQUENCY\_HZ |

#### Field Value

Type: [Frequency](#_90ACF8AA_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_DEVICESOURCE Field

The DefaultValue For DeviceSource.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly DeviceSource DEFAULT\_DEVICESOURCE |

#### Field Value

Type: [DeviceSource](#_93B85C6C_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_GAIN\_DB Field

The DefaultValue For Gain\_dB.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Gain DEFAULT\_GAIN\_DB |

#### Field Value

Type: [Gain](#_C8F28179_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_ID Field

The DefaultValue For Id.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly int DEFAULT\_ID |

#### Field Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_LATITUDE Field

The DefaultValue For Latitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Latitude DEFAULT\_LATITUDE |

#### Field Value

Type: [Latitude](#_6A3D60D3_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_LONGITUDE Field

The DefaultValue For Longitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Longitude DEFAULT\_LONGITUDE |

#### Field Value

Type: [Longitude](#_77376669_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_NAME Field

The DefaultValue For Name.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string DEFAULT\_NAME |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_PITCH Field

The DefaultValue For Pitch.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_PITCH |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_PRIMARYKEY Field

The DefaultValue For PrimaryKey.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Guid DEFAULT\_PRIMARYKEY |

#### Field Value

Type: [Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_REMARK Field

The DefaultValue For Remark.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string DEFAULT\_REMARK |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_ROLL Field

The DefaultValue For Roll.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_ROLL |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_RXTXTYPE Field

The DefaultValue For RxTxType.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly RxTxType DEFAULT\_RXTXTYPE |

#### Field Value

Type: [RxTxType](#_7768F88C_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_SIGNALTONOISERATIO\_DB Field

The DefaultValue For SignalToNoiseRatio\_dB.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly SignalToNoiseRatio DEFAULT\_SIGNALTONOISERATIO\_DB |

#### Field Value

Type: [SignalToNoiseRatio](#_9D2108AA_Topic)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_STARTTIME Field

The DefaultValue For StartTime.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_STARTTIME |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_XPOS Field

The DefaultValue For XPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly int DEFAULT\_XPOS |

#### Field Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_YAW Field

The DefaultValue For Yaw.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly double DEFAULT\_YAW |

#### Field Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_YPOS Field

The DefaultValue For YPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly int DEFAULT\_YPOS |

#### Field Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEFAULT\_ZPOS Field

The DefaultValue For ZPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly int DEFAULT\_ZPOS |

#### Field Value

Type: [Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.DEVICESOURCE Field

The PropertyName As ReadOnly String For DeviceSource.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string DEVICESOURCE = "DeviceSource" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.GAIN\_DB Field

The PropertyName As ReadOnly String For Gain\_dB.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string GAIN\_DB = "Gain\_dB" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ID Field

The PropertyName As ReadOnly String For Id.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ID = "Id" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.LATITUDE Field

The PropertyName As ReadOnly String For Latitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string LATITUDE = "Latitude" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.LONGITUDE Field

The PropertyName As ReadOnly String For Longitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string LONGITUDE = "Longitude" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.NAME Field

The PropertyName As ReadOnly String For Name.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string NAME = "Name" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.PITCH Field

The PropertyName As ReadOnly String For Pitch.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string PITCH = "Pitch" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.PRIMARYKEY Field

The PropertyName As ReadOnly String For PrimaryKey.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string PRIMARYKEY = "PrimaryKey" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.REMARK Field

The PropertyName As ReadOnly String For Remark.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string REMARK = "Remark" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ROLL Field

The PropertyName As ReadOnly String For Roll.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ROLL = "Roll" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.RXTXTYPE Field

The PropertyName As ReadOnly String For RxTxType.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string RXTXTYPE = "RxTxType" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.SIGNALTONOISERATIO\_DB Field

The PropertyName As ReadOnly String For SignalToNoiseRatio\_dB.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string SIGNALTONOISERATIO\_DB = "SignalToNoiseRatio\_dB" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.STARTTIME Field

The PropertyName As ReadOnly String For StartTime.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string STARTTIME = "StartTime" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.XPOS Field

The PropertyName As ReadOnly String For XPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string XPOS = "XPos" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.YAW Field

The PropertyName As ReadOnly String For Yaw.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string YAW = "Yaw" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.YPOS Field

The PropertyName As ReadOnly String For YPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string YPOS = "YPos" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDevice.ZPOS Field

The PropertyName As ReadOnly String For ZPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public const string ZPOS = "ZPos" |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDevice Class](#_7886E387_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions Class

Represent A Device Based On A Radio Frequency.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Models.RFDeviceExtensions

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class RFDeviceExtensions |

The **RFDeviceExtensions** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [WithAltitude](#_DD5D0F5B_Topic) |  |
| Public methodStatic member | [WithAntennaType](#_E2FD70FD_Topic) |  |
| Public methodStatic member | [WithBandwidth\_Hz](#_AEC2C9E8_Topic) |  |
| Public methodStatic member | [WithCenterFrequency\_Hz](#_F231A1D9_Topic) |  |
| Public methodStatic member | [WithDeviceSource](#_B7F5B5A6_Topic) |  |
| Public methodStatic member | [WithGain\_dB](#_F6B210D_Topic) |  |
| Public methodStatic member | [WithId](#_38DA441F_Topic) |  |
| Public methodStatic member | [WithLatitude](#_DE880E3E_Topic) |  |
| Public methodStatic member | [WithLongitude](#_8BF594B8_Topic) |  |
| Public methodStatic member | [WithName](#_C12B4196_Topic) |  |
| Public methodStatic member | [WithPitch](#_16005074_Topic) |  |
| Public methodStatic member | [WithPrimaryKey](#_C8506DAB_Topic) |  |
| Public methodStatic member | [WithRemark](#_9183D6DB_Topic) |  |
| Public methodStatic member | [WithRoll](#_4EBECCEF_Topic) |  |
| Public methodStatic member | [WithRxTxType](#_F595292C_Topic) |  |
| Public methodStatic member | [WithSignalToNoiseRatio\_dB](#_E1029C9F_Topic) |  |
| Public methodStatic member | [WithStartTime](#_5CAEAAF7_Topic) |  |
| Public methodStatic member | [WithXPos](#_BDB2ABA_Topic) |  |
| Public methodStatic member | [WithYaw](#_CABE1943_Topic) |  |
| Public methodStatic member | [WithYPos](#_BDB2ABB_Topic) |  |
| Public methodStatic member | [WithZPos](#_BDB2AB8_Topic) |  |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.RFDeviceExtensions Methods

The [RFDeviceExtensions](#_3FDAE982_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [WithAltitude](#_DD5D0F5B_Topic) |  |
| Public methodStatic member | [WithAntennaType](#_E2FD70FD_Topic) |  |
| Public methodStatic member | [WithBandwidth\_Hz](#_AEC2C9E8_Topic) |  |
| Public methodStatic member | [WithCenterFrequency\_Hz](#_F231A1D9_Topic) |  |
| Public methodStatic member | [WithDeviceSource](#_B7F5B5A6_Topic) |  |
| Public methodStatic member | [WithGain\_dB](#_F6B210D_Topic) |  |
| Public methodStatic member | [WithId](#_38DA441F_Topic) |  |
| Public methodStatic member | [WithLatitude](#_DE880E3E_Topic) |  |
| Public methodStatic member | [WithLongitude](#_8BF594B8_Topic) |  |
| Public methodStatic member | [WithName](#_C12B4196_Topic) |  |
| Public methodStatic member | [WithPitch](#_16005074_Topic) |  |
| Public methodStatic member | [WithPrimaryKey](#_C8506DAB_Topic) |  |
| Public methodStatic member | [WithRemark](#_9183D6DB_Topic) |  |
| Public methodStatic member | [WithRoll](#_4EBECCEF_Topic) |  |
| Public methodStatic member | [WithRxTxType](#_F595292C_Topic) |  |
| Public methodStatic member | [WithSignalToNoiseRatio\_dB](#_E1029C9F_Topic) |  |
| Public methodStatic member | [WithStartTime](#_5CAEAAF7_Topic) |  |
| Public methodStatic member | [WithXPos](#_BDB2ABA_Topic) |  |
| Public methodStatic member | [WithYaw](#_CABE1943_Topic) |  |
| Public methodStatic member | [WithYPos](#_BDB2ABB_Topic) |  |
| Public methodStatic member | [WithZPos](#_BDB2AB8_Topic) |  |

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithAltitude Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithAltitude(  this RFDevice instance,  Altitude value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Geo.Altitude](#_6A9A61AE_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithAntennaType Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithAntennaType(  this RFDevice instance,  AntennaType value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Models.AntennaType](#_30813101_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithBandwidth\_Hz Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithBandwidth\_Hz(  this RFDevice instance,  Bandwidth value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Physically.Bandwidth](#_A7A6A49B_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithCenterFrequency\_Hz Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithCenterFrequency\_Hz(  this RFDevice instance,  Frequency value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Physically.Frequency](#_90ACF8AA_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithDeviceSource Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithDeviceSource(  this RFDevice instance,  DeviceSource value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Models.DeviceSource](#_93B85C6C_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithGain\_dB Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithGain\_dB(  this RFDevice instance,  Gain value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Physically.Gain](#_C8F28179_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithId Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithId(  this RFDevice instance,  int value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithLatitude Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithLatitude(  this RFDevice instance,  Latitude value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Geo.Latitude](#_6A3D60D3_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithLongitude Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithLongitude(  this RFDevice instance,  Longitude value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Geo.Longitude](#_77376669_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithName Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithName(  this RFDevice instance,  string value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithPitch Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithPitch(  this RFDevice instance,  double value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithPrimaryKey Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithPrimaryKey(  this RFDevice instance,  Guid value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithRemark Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithRemark(  this RFDevice instance,  string value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithRoll Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithRoll(  this RFDevice instance,  double value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithRxTxType Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithRxTxType(  this RFDevice instance,  RxTxType value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Models.RxTxType](#_7768F88C_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithSignalToNoiseRatio\_dB Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithSignalToNoiseRatio\_dB(  this RFDevice instance,  SignalToNoiseRatio value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [SIGENCEScenarioTool.Datatypes.Physically.SignalToNoiseRatio](#_9D2108AA_Topic)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithStartTime Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithStartTime(  this RFDevice instance,  double value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithXPos Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithXPos(  this RFDevice instance,  int value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithYaw Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithYaw(  this RFDevice instance,  double value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithYPos Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithYPos(  this RFDevice instance,  int value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceExtensions.WithZPos Method

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDevice WithZPos(  this RFDevice instance,  int value ) |

#### Parameters

instance

Type: [SIGENCEScenarioTool.Models.RFDevice](#_7886E387_Topic)

value

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Return Value

Type: [RFDevice](#_7886E387_Topic)

#### Usage Note

In Visual Basic and C#, you can call this method as an instance method on any object of type [RFDevice](#_7886E387_Topic). When you use instance method syntax to call this method, omit the first parameter. For more information, see [Extension Methods (Visual Basic)](http://msdn.microsoft.com/en-us/library/bb384936.aspx) or [Extension Methods (C# Programming Guide)](http://msdn.microsoft.com/en-us/library/bb383977.aspx).

## See Also

[RFDeviceExtensions Class](#_3FDAE982_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic))  
    SIGENCEScenarioTool.Models.RFDeviceList

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class RFDeviceList : List<RFDevice> |

The **RFDeviceList** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [RFDeviceList()](#_491288A5_Topic) | Initializes a new instance of the **RFDeviceList** class. |
| Public method | [RFDeviceList(Int32)](#_F61E46F6_Topic) | Initializes a new instance of the **RFDeviceList** class. |
| Public method | [RFDeviceList(IEnumerable(RFDevice))](#_F61E46F7_Topic) | Initializes a new instance of the **RFDeviceList** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public methodStatic member | [CreateRandomizedRFDeviceList](#_28304207_Topic) | Creates the randomized rf device list. |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(RFDevice)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |
| Public Extension Method | [SaveAsXml(RFDevice)](#_6E561BA7_Topic) | Saves the list as XML. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList Constructor

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [RFDeviceList()](#_491288A5_Topic) | Initializes a new instance of the [RFDeviceList](#_C9DFBBDF_Topic) class. |
| Public method | [RFDeviceList(Int32)](#_F61E46F6_Topic) | Initializes a new instance of the [RFDeviceList](#_C9DFBBDF_Topic) class. |
| Public method | [RFDeviceList(IEnumerable(RFDevice))](#_F61E46F7_Topic) | Initializes a new instance of the [RFDeviceList](#_C9DFBBDF_Topic) class. |

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList Constructor

Initializes a new instance of the [RFDeviceList](#_C9DFBBDF_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RFDeviceList() |

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[RFDeviceList Overload](#_AEE3A660_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList Constructor (Int32)

Initializes a new instance of the [RFDeviceList](#_C9DFBBDF_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RFDeviceList(  int iInitialSize ) |

#### Parameters

iInitialSize

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

Initial size of the i.

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[RFDeviceList Overload](#_AEE3A660_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList Constructor (IEnumerable(RFDevice))

Initializes a new instance of the [RFDeviceList](#_C9DFBBDF_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RFDeviceList(  IEnumerable<RFDevice> collection ) |

#### Parameters

collection

Type: [System.Collections.Generic.IEnumerable](http://msdn2.microsoft.com/en-us/library/9eekhta0)([RFDevice](#_7886E387_Topic))

Die Auflistung, deren Elemente in die neue Liste kopiert werden.

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[RFDeviceList Overload](#_AEE3A660_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList.RFDeviceList Properties

The [RFDeviceList](#_C9DFBBDF_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList.RFDeviceList Methods

The [RFDeviceList](#_C9DFBBDF_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public methodStatic member | [CreateRandomizedRFDeviceList](#_28304207_Topic) | Creates the randomized rf device list. |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([RFDevice](#_7886E387_Topic)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(RFDevice)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |
| Public Extension Method | [SaveAsXml(RFDevice)](#_6E561BA7_Topic) | Saves the list as XML. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceList.CreateRandomizedRFDeviceList Method

Creates the randomized rf device list.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static RFDeviceList CreateRandomizedRFDeviceList(  int iMaxCount,  PointLatLng pllCenter,  bool bEnsureRefDevice = false ) |

#### Parameters

iMaxCount

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i maximum count.

pllCenter

Type: **PointLatLng**

The PLL center.

bEnsureRefDevice (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

if set to true [b ensure reference device].

#### Return Value

Type: [RFDeviceList](#_C9DFBBDF_Topic)

## See Also

[RFDeviceList Class](#_C9DFBBDF_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips Class

The tooltips for our properties to display in the HMI.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Models.RFDeviceTooltips

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class RFDeviceTooltips |

The **RFDeviceTooltips** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [RFDeviceTooltips](#_653B36B1_Topic) | Initializes a new instance of the **RFDeviceTooltips** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [TOOLTIP\_ALTITUDE](#_C7438662_Topic) | The tooltip for the Altitude. |
| Public property | [TOOLTIP\_ANTENNATYPE](#_66AE5F6D_Topic) | The tooltip for the AntennaType. |
| Public property | [TOOLTIP\_BANDWIDTH\_HZ](#_F7F0638B_Topic) | The tooltip for the Bandwidth\_Hz. |
| Public property | [TOOLTIP\_CENTERFREQUENCY\_HZ](#_3D605E54_Topic) | The tooltip for the CenterFrequency\_Hz. |
| Public property | [TOOLTIP\_DEVICESOURCE](#_FFA18DB1_Topic) | The tooltip for the DeviceSource. |
| Public property | [TOOLTIP\_GAIN\_DB](#_34E23624_Topic) | The tooltip for the Gain\_dB. |
| Public property | [TOOLTIP\_ID](#_F762B255_Topic) | The tooltip for the Id. |
| Public property | [TOOLTIP\_LATITUDE](#_87B76AA1_Topic) | The tooltip for the Latitude. |
| Public property | [TOOLTIP\_LONGITUDE](#_2D2A0B76_Topic) | The tooltip for the Longitude. |
| Public property | [TOOLTIP\_NAME](#_FBFA8E88_Topic) | The tooltip for the Name. |
| Public property | [TOOLTIP\_PITCH](#_E018EE14_Topic) | The tooltip for the Pitch. |
| Public property | [TOOLTIP\_PRIMARYKEY](#_EB49F5D1_Topic) | The tooltip for the PrimaryKey. |
| Public property | [TOOLTIP\_REMARK](#_AE661EB3_Topic) | The tooltip for the Remark. |
| Public property | [TOOLTIP\_ROLL](#_54504F7D_Topic) | The tooltip for the Roll. |
| Public property | [TOOLTIP\_RXTXTYPE](#_E411918B_Topic) | The tooltip for the RxTxType. |
| Public property | [TOOLTIP\_SIGNALTONOISERATIO\_DB](#_2B18FFDA_Topic) | The tooltip for the SignalToNoiseRatio\_dB. |
| Public property | [TOOLTIP\_STARTTIME](#_32143931_Topic) | The tooltip for the StartTime. |
| Public property | [TOOLTIP\_XPOS](#_CB8193D8_Topic) | The tooltip for the XPos. |
| Public property | [TOOLTIP\_YAW](#_53F21F35_Topic) | The tooltip for the Yaw. |
| Public property | [TOOLTIP\_YPOS](#_28DA1F3D_Topic) | The tooltip for the YPos. |
| Public property | [TOOLTIP\_ZPOS](#_8632AAA2_Topic) | The tooltip for the ZPos. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips Constructor

Initializes a new instance of the [RFDeviceTooltips](#_4CBA3D87_Topic) class

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public RFDeviceTooltips() |

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.RFDeviceTooltips Properties

The [RFDeviceTooltips](#_4CBA3D87_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [TOOLTIP\_ALTITUDE](#_C7438662_Topic) | The tooltip for the Altitude. |
| Public property | [TOOLTIP\_ANTENNATYPE](#_66AE5F6D_Topic) | The tooltip for the AntennaType. |
| Public property | [TOOLTIP\_BANDWIDTH\_HZ](#_F7F0638B_Topic) | The tooltip for the Bandwidth\_Hz. |
| Public property | [TOOLTIP\_CENTERFREQUENCY\_HZ](#_3D605E54_Topic) | The tooltip for the CenterFrequency\_Hz. |
| Public property | [TOOLTIP\_DEVICESOURCE](#_FFA18DB1_Topic) | The tooltip for the DeviceSource. |
| Public property | [TOOLTIP\_GAIN\_DB](#_34E23624_Topic) | The tooltip for the Gain\_dB. |
| Public property | [TOOLTIP\_ID](#_F762B255_Topic) | The tooltip for the Id. |
| Public property | [TOOLTIP\_LATITUDE](#_87B76AA1_Topic) | The tooltip for the Latitude. |
| Public property | [TOOLTIP\_LONGITUDE](#_2D2A0B76_Topic) | The tooltip for the Longitude. |
| Public property | [TOOLTIP\_NAME](#_FBFA8E88_Topic) | The tooltip for the Name. |
| Public property | [TOOLTIP\_PITCH](#_E018EE14_Topic) | The tooltip for the Pitch. |
| Public property | [TOOLTIP\_PRIMARYKEY](#_EB49F5D1_Topic) | The tooltip for the PrimaryKey. |
| Public property | [TOOLTIP\_REMARK](#_AE661EB3_Topic) | The tooltip for the Remark. |
| Public property | [TOOLTIP\_ROLL](#_54504F7D_Topic) | The tooltip for the Roll. |
| Public property | [TOOLTIP\_RXTXTYPE](#_E411918B_Topic) | The tooltip for the RxTxType. |
| Public property | [TOOLTIP\_SIGNALTONOISERATIO\_DB](#_2B18FFDA_Topic) | The tooltip for the SignalToNoiseRatio\_dB. |
| Public property | [TOOLTIP\_STARTTIME](#_32143931_Topic) | The tooltip for the StartTime. |
| Public property | [TOOLTIP\_XPOS](#_CB8193D8_Topic) | The tooltip for the XPos. |
| Public property | [TOOLTIP\_YAW](#_53F21F35_Topic) | The tooltip for the Yaw. |
| Public property | [TOOLTIP\_YPOS](#_28DA1F3D_Topic) | The tooltip for the YPos. |
| Public property | [TOOLTIP\_ZPOS](#_8632AAA2_Topic) | The tooltip for the ZPos. |

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_ALTITUDE Property

The tooltip for the Altitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_ALTITUDE { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_ANTENNATYPE Property

The tooltip for the AntennaType.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_ANTENNATYPE { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_BANDWIDTH\_HZ Property

The tooltip for the Bandwidth\_Hz.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_BANDWIDTH\_HZ { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_CENTERFREQUENCY\_HZ Property

The tooltip for the CenterFrequency\_Hz.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_CENTERFREQUENCY\_HZ { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_DEVICESOURCE Property

The tooltip for the DeviceSource.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_DEVICESOURCE { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_GAIN\_DB Property

The tooltip for the Gain\_dB.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_GAIN\_DB { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_ID Property

The tooltip for the Id.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_ID { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_LATITUDE Property

The tooltip for the Latitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_LATITUDE { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_LONGITUDE Property

The tooltip for the Longitude.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_LONGITUDE { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_NAME Property

The tooltip for the Name.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_NAME { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_PITCH Property

The tooltip for the Pitch.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_PITCH { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_PRIMARYKEY Property

The tooltip for the PrimaryKey.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_PRIMARYKEY { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_REMARK Property

The tooltip for the Remark.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_REMARK { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_ROLL Property

The tooltip for the Roll.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_ROLL { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_RXTXTYPE Property

The tooltip for the RxTxType.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_RXTXTYPE { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_SIGNALTONOISERATIO\_DB Property

The tooltip for the SignalToNoiseRatio\_dB.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_SIGNALTONOISERATIO\_DB { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_STARTTIME Property

The tooltip for the StartTime.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_STARTTIME { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_XPOS Property

The tooltip for the XPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_XPOS { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_YAW Property

The tooltip for the Yaw.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_YAW { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_YPOS Property

The tooltip for the YPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_YPOS { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.TOOLTIP\_ZPOS Property

The tooltip for the ZPos.

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string TOOLTIP\_ZPOS { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RFDeviceTooltips.RFDeviceTooltips Methods

The [RFDeviceTooltips](#_4CBA3D87_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[RFDeviceTooltips Class](#_4CBA3D87_Topic)

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# RxTxType Enumeration

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum RxTxType |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **HackRF** | -1 |  |
|  | **TwinRx** | -2 |  |
|  | **B200Mini** | -3 |  |
|  | **IdealSDR** | -4 |  |
|  | **QPSK** | 1 |  |
|  | **SIN** | 2 |  |
|  | **FMRadio** | 3 |  |
|  | **Unknown** | 4242 |  |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# Servity Enumeration

**Namespace:** [SIGENCEScenarioTool.Models](#_7A4C6412_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum Servity |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **Information** | 0 | The information |
|  | **Warning** | 1 | The warning |
|  | **Error** | 2 | The error |
|  | **Fatal** | 3 | The fatal |

## See Also

[SIGENCEScenarioTool.Models Namespace](#_7A4C6412_Topic)

# SIGENCEScenarioTool.Models.Validation Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [ValidationResult](#_CD443B54_Topic) |  |
| Public class | [ValidationResultList](#_8FAADE5D_Topic) |  |

# ValidationResult Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Models.Validation.ValidationResult

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class ValidationResult |

The **ValidationResult** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [ValidationResult](#_F72DF948_Topic) | Initializes a new instance of the **ValidationResult** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Id](#_AD5A35A8_Topic) | Gets the identifier. |
| Public property | [Message](#_664349FB_Topic) | Gets the message. |
| Public property | [PropertyName](#_7F73E0E1_Topic) | Gets the property. |
| Public property | [Servity](#_2D5FF179_Topic) | Gets the servity. |
| Public property | [Source](#_117110F8_Topic) | Gets the source. |
| Public property | [Timestamp](#_975001F7_Topic) | Gets the timestamp. |
| Public property | [Value](#_11371350_Topic) | Gets the value. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult Constructor

Initializes a new instance of the [ValidationResult](#_CD443B54_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public ValidationResult(  Servity sServity,  string strMessage,  Object oSource,  string strPropertyName,  Object oValue ) |

#### Parameters

sServity

Type: [SIGENCEScenarioTool.Models.Servity](#_F41516A6_Topic)

The servity.

strMessage

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The message.

oSource

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The source.

strPropertyName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the property.

oValue

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The value.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.ValidationResult Properties

The [ValidationResult](#_CD443B54_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Id](#_AD5A35A8_Topic) | Gets the identifier. |
| Public property | [Message](#_664349FB_Topic) | Gets the message. |
| Public property | [PropertyName](#_7F73E0E1_Topic) | Gets the property. |
| Public property | [Servity](#_2D5FF179_Topic) | Gets the servity. |
| Public property | [Source](#_117110F8_Topic) | Gets the source. |
| Public property | [Timestamp](#_975001F7_Topic) | Gets the timestamp. |
| Public property | [Value](#_11371350_Topic) | Gets the value. |

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.Id Property

Gets the identifier.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Guid Id { get; } |

#### Property Value

Type: [Guid](http://msdn2.microsoft.com/en-us/library/cey1zx63)  
The identifier.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.Message Property

Gets the message.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string Message { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The message.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.PropertyName Property

Gets the property.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public string PropertyName { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The property.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.Servity Property

Gets the servity.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Servity Servity { get; } |

#### Property Value

Type: [Servity](#_F41516A6_Topic)  
The servity.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.Source Property

Gets the source.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Object Source { get; } |

#### Property Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
The source.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.Timestamp Property

Gets the timestamp.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public DateTime Timestamp { get; } |

#### Property Value

Type: [DateTime](http://msdn2.microsoft.com/en-us/library/03ybds8y)  
The timestamp.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.Value Property

Gets the value.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Object Value { get; } |

#### Property Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
The value.

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResult.ValidationResult Methods

The [ValidationResult](#_CD443B54_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[ValidationResult Class](#_CD443B54_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResultList Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Collections.Generic.List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic))  
    SIGENCEScenarioTool.Models.Validation.ValidationResultList

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class ValidationResultList : List<ValidationResult> |

The **ValidationResultList** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [ValidationResultList](#_1276F6E3_Topic) | Initializes a new instance of the **ValidationResultList** class |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public propertyStatic member | [Empty](#_AE7C620E_Topic) | Gets the empty. |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add(T)](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Add(Servity, String, Object, String, Object)](#_CDE8C9A9_Topic) | Adds the specified validation. |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(ValidationResult)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

**[!:System.Collections.Generic.List<SIGENCEScenarioTool.Models.Validation.ValidationResult>]**

# ValidationResultList Constructor

Initializes a new instance of the [ValidationResultList](#_8FAADE5D_Topic) class

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public ValidationResultList() |

## See Also

[ValidationResultList Class](#_8FAADE5D_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResultList.ValidationResultList Properties

The [ValidationResultList](#_8FAADE5D_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Capacity](http://msdn2.microsoft.com/en-us/library/y52x03h2) | Gets or sets the total number of elements the internal data structure can hold without resizing. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/27b47ht3) | Gets the number of elements contained in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public propertyStatic member | [Empty](#_AE7C620E_Topic) | Gets the empty. |
| Public property | [Item](http://msdn2.microsoft.com/en-us/library/0ebtbkkc) | Gets or sets the element at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |

## See Also

[ValidationResultList Class](#_8FAADE5D_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResultList.Empty Property

Gets the empty.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static ValidationResultList Empty { get; } |

#### Property Value

Type: [ValidationResultList](#_8FAADE5D_Topic)  
The empty.

## See Also

[ValidationResultList Class](#_8FAADE5D_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResultList.ValidationResultList Methods

The [ValidationResultList](#_8FAADE5D_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add(T)](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Add(Servity, String, Object, String, Object)](#_CDE8C9A9_Topic) | Adds the specified validation. |
| Public method | [AddRange](http://msdn2.microsoft.com/en-us/library/z883w3dc) | Adds the elements of the specified collection to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [AsReadOnly](http://msdn2.microsoft.com/en-us/library/e78dcd75) | Returns a read-only [IList(T)](http://msdn2.microsoft.com/en-us/library/5y536ey6) wrapper for the current collection. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [BinarySearch(T)](http://msdn2.microsoft.com/en-us/library/w4e7fxsh) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the default comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [BinarySearch(T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/ftfdbfx6) | Searches the entire sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [BinarySearch(Int32, Int32, T, IComparer(T))](http://msdn2.microsoft.com/en-us/library/a1s5syxa) | Searches a range of elements in the sorted [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) for an element using the specified comparer and returns the zero-based index of the element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Clear](http://msdn2.microsoft.com/en-us/library/dwb5h52a) | Removes all elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Contains](http://msdn2.microsoft.com/en-us/library/bhkz42b3) | Determines whether an element is in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ConvertAll(TOutput)](http://msdn2.microsoft.com/en-us/library/73fe8cwf) | Converts the elements in the current [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to another type, and returns a list containing the converted elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [CopyTo(T[])](http://msdn2.microsoft.com/en-us/library/t69dktcd) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the beginning of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [CopyTo(T[], Int32)](http://msdn2.microsoft.com/en-us/library/4df7xky9) | Copies the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [CopyTo(Int32,T[], Int32, Int32)](http://msdn2.microsoft.com/en-us/library/3eb2b9x8) | Copies a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a compatible one-dimensional array, starting at the specified index of the target array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [Exists](http://msdn2.microsoft.com/en-us/library/bfed8bca) | Determines whether the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) contains elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Find](http://msdn2.microsoft.com/en-us/library/x0b5b5bc) | Searches for an element that matches the conditions defined by the specified predicate, and returns the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindAll](http://msdn2.microsoft.com/en-us/library/fh1w7y8z) | Retrieves all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/x1xzf2ca) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/efasdh0s) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/7eb596wz) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLast](http://msdn2.microsoft.com/en-us/library/5kthb929) | Searches for an element that matches the conditions defined by the specified predicate, and returns the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLastIndex(Predicate(T))](http://msdn2.microsoft.com/en-us/library/xzs5503w) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLastIndex(Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/0b9t5061) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [FindLastIndex(Int32, Int32, Predicate(T))](http://msdn2.microsoft.com/en-us/library/860a771k) | Searches for an element that matches the conditions defined by the specified predicate, and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ForEach](http://msdn2.microsoft.com/en-us/library/bwabdf9z) | Performs the specified action on each element of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/b0yss765) | Returns an enumerator that iterates through the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetRange](http://msdn2.microsoft.com/en-us/library/21k0e39c) | Creates a shallow copy of a range of elements in the source [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [IndexOf(T)](http://msdn2.microsoft.com/en-us/library/e4w08k17) | Searches for the specified object and returns the zero-based index of the first occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [IndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s8t42k5w) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the specified index to the last element. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [IndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/dy8zse0c) | Searches for the specified object and returns the zero-based index of the first occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that starts at the specified index and contains the specified number of elements. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Insert](http://msdn2.microsoft.com/en-us/library/sey5k5z4) | Inserts an element into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [InsertRange](http://msdn2.microsoft.com/en-us/library/884ee1fz) | Inserts the elements of a collection into the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [LastIndexOf(T)](http://msdn2.microsoft.com/en-us/library/dsxfcba1) | Searches for the specified object and returns the zero-based index of the last occurrence within the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [LastIndexOf(T, Int32)](http://msdn2.microsoft.com/en-us/library/s088xd6w) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that extends from the first element to the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [LastIndexOf(T, Int32, Int32)](http://msdn2.microsoft.com/en-us/library/haast0bw) | Searches for the specified object and returns the zero-based index of the last occurrence within the range of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) that contains the specified number of elements and ends at the specified index. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Remove](http://msdn2.microsoft.com/en-us/library/cd666k3e) | Removes the first occurrence of a specific object from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [RemoveAll](http://msdn2.microsoft.com/en-us/library/wdka673a) | Removes all the elements that match the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [RemoveAt](http://msdn2.microsoft.com/en-us/library/5cw9x18z) | Removes the element at the specified index of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [RemoveRange](http://msdn2.microsoft.com/en-us/library/y33yd2b5) | Removes a range of elements from the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Reverse()](http://msdn2.microsoft.com/en-us/library/b0axc2h2) | Reverses the order of the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Reverse(Int32, Int32)](http://msdn2.microsoft.com/en-us/library/hf2ay11y) | Reverses the order of the elements in the specified range. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort()](http://msdn2.microsoft.com/en-us/library/b0zbh7b6) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the default comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort(IComparer(T))](http://msdn2.microsoft.com/en-us/library/234b841s) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort(Comparison(T))](http://msdn2.microsoft.com/en-us/library/w56d4y5z) | Sorts the elements in the entire [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified [Comparison(T)](http://msdn2.microsoft.com/en-us/library/tfakywbh). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Sort(Int32, Int32, IComparer(T))](http://msdn2.microsoft.com/en-us/library/8ce6t5ad) | Sorts the elements in a range of elements in [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) using the specified comparer. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ToArray](http://msdn2.microsoft.com/en-us/library/x303t819) | Copies the elements of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) to a new array. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [TrimExcess](http://msdn2.microsoft.com/en-us/library/ms132207) | Sets the capacity to the actual number of elements in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19), if that number is less than a threshold value. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [TrueForAll](http://msdn2.microsoft.com/en-us/library/kdxe4x4w) | Determines whether every element in the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19) matches the conditions defined by the specified predicate. (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |

## Extension Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public Extension Method | [SaveAsCsv(ValidationResult)](#_E6A752FD_Topic) | Saves the list as CSV. (Defined by [ListExtension](#_CD56FF2D_Topic).) |

## See Also

[ValidationResultList Class](#_8FAADE5D_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResultList.Add Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Add(T)](http://msdn2.microsoft.com/en-us/library/3wcytfd1) | Adds an object to the end of the [List(T)](http://msdn2.microsoft.com/en-us/library/6sh2ey19). (Inherited from [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([ValidationResult](#_CD443B54_Topic)).) |
| Public method | [Add(Servity, String, Object, String, Object)](#_CDE8C9A9_Topic) | Adds the specified validation. |

## See Also

[ValidationResultList Class](#_8FAADE5D_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# ValidationResultList.Add Method (Servity, String, Object, String, Object)

Adds the specified validation.

**Namespace:** [SIGENCEScenarioTool.Models.Validation](#_FA813258_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public void Add(  Servity sServity,  string strMessage,  Object oSource,  string strPropertyName,  Object oValue ) |

#### Parameters

sServity

Type: [SIGENCEScenarioTool.Models.Servity](#_F41516A6_Topic)

The s servity.

strMessage

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string message.

oSource

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The o source.

strPropertyName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string property.

oValue

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)

The o value.

## See Also

[ValidationResultList Class](#_8FAADE5D_Topic)

[Add Overload](#_4FD1C7D8_Topic)

[SIGENCEScenarioTool.Models.Validation Namespace](#_FA813258_Topic)

# SIGENCEScenarioTool.Tools Namespace

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [Blink](#_82532D5D_Topic) |  |
| Public class | [GeoHelper](#_E88BD479_Topic) |  |
| Public class | [MB](#_EFB0CB26_Topic) | Helper For A MessageBox. |
| Public class | [PythonSyntaxModeFileProvider](#_CE10FF45_Topic) |  |
| Public class | [Speech](#_F645CEA_Topic) | Klasse zum Ausgeben von Text in Sprache mittels Microsoft SAM. |
| Public class | [Tool](#_4A0B04CA_Topic) | Klasse mit statischen Standalonefunktionen. |
| Public class | [Windows](#_B5EEF90C_Topic) |  |

## Enumerations

|  |  |  |
| --- | --- | --- |
|  | Enumeration | Description |
| Public enumeration | [GeoTag](#_A0CA15FA_Topic) |  |
| Public enumeration | [Highway](#_16289656_Topic) |  |

# Blink Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.Blink

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class Blink |

The **Blink** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [FadeWhiteToBlack](#_22CAC641_Topic) | Fades the white to black. |
| Public methodStatic member | [Off](#_AEDDF605_Topic) | Offs the LED. |
| Public methodStatic member | [On](#_6AAE6DE3_Topic) | Ons the LED. |
| Public methodStatic member | [SetColor(Color)](#_FC1893F5_Topic) | Sets the color. |
| Public methodStatic member | [SetColor(Int32, Int32, Int32)](#_B6363F28_Topic) | Sets the color. |
| Public methodStatic member | [Show](#_EDF06D50_Topic) | Shows the specified number of time. |
| Public methodStatic member | [Test](#_7E063D1F_Topic) | Tests this instance. |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.Blink Methods

The [Blink](#_82532D5D_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [FadeWhiteToBlack](#_22CAC641_Topic) | Fades the white to black. |
| Public methodStatic member | [Off](#_AEDDF605_Topic) | Offs the LED. |
| Public methodStatic member | [On](#_6AAE6DE3_Topic) | Ons the LED. |
| Public methodStatic member | [SetColor(Color)](#_FC1893F5_Topic) | Sets the color. |
| Public methodStatic member | [SetColor(Int32, Int32, Int32)](#_B6363F28_Topic) | Sets the color. |
| Public methodStatic member | [Show](#_EDF06D50_Topic) | Shows the specified number of time. |
| Public methodStatic member | [Test](#_7E063D1F_Topic) | Tests this instance. |

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.FadeWhiteToBlack Method

Fades the white to black.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void FadeWhiteToBlack() |

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.Off Method

Offs the LED.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Off() |

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.On Method

Ons the LED.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void On() |

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.SetColor Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [SetColor(Color)](#_FC1893F5_Topic) | Sets the color. |
| Public methodStatic member | [SetColor(Int32, Int32, Int32)](#_B6363F28_Topic) | Sets the color. |

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.SetColor Method (Color)

Sets the color.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SetColor(  Color c ) |

#### Parameters

c

Type: [System.Windows.Media.Color](http://msdn2.microsoft.com/en-us/library/ms653055)

The c.

## See Also

[Blink Class](#_82532D5D_Topic)

[SetColor Overload](#_28D2B37F_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.SetColor Method (Int32, Int32, Int32)

Sets the color.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SetColor(  int iR,  int iG,  int iB ) |

#### Parameters

iR

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i r.

iG

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i g.

iB

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

The i b.

## See Also

[Blink Class](#_82532D5D_Topic)

[SetColor Overload](#_28D2B37F_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.Show Method

Shows the specified number of time.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Show(  ushort numberOfTime,  ushort numberOfMillisecondOn,  ushort numberOfMillisecondOff,  Color c ) |

#### Parameters

numberOfTime

Type: [System.UInt16](http://msdn2.microsoft.com/en-us/library/s6eyk10z)

The number of time.

numberOfMillisecondOn

Type: [System.UInt16](http://msdn2.microsoft.com/en-us/library/s6eyk10z)

The number of millisecond on.

numberOfMillisecondOff

Type: [System.UInt16](http://msdn2.microsoft.com/en-us/library/s6eyk10z)

The number of millisecond off.

c

Type: [System.Windows.Media.Color](http://msdn2.microsoft.com/en-us/library/ms653055)

The c.

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Blink.Test Method

Tests this instance.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Test() |

## See Also

[Blink Class](#_82532D5D_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.GeoHelper

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class GeoHelper |

The **GeoHelper** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CoordinateToPointLatLng](#_3C2CBEEB_Topic) |  |
| Public methodStatic member | [CreatePolygon](#_3A18A07F_Topic) |  |
| Public methodStatic member | [GeometryToString](#_6FA266F7_Topic) |  |
| Public methodStatic member | [StringToGeometry](#_A3BF671F_Topic) |  |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [GERMANY\_CENTERPOINT](#_BAFCC562_Topic) |  |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.GeoHelper Methods

The [GeoHelper](#_E88BD479_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [CoordinateToPointLatLng](#_3C2CBEEB_Topic) |  |
| Public methodStatic member | [CreatePolygon](#_3A18A07F_Topic) |  |
| Public methodStatic member | [GeometryToString](#_6FA266F7_Topic) |  |
| Public methodStatic member | [StringToGeometry](#_A3BF671F_Topic) |  |

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.CoordinateToPointLatLng Method

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static PointLatLng CoordinateToPointLatLng(  Coordinate c ) |

#### Parameters

c

Type: **Coordinate**

#### Return Value

Type: **PointLatLng**

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.CreatePolygon Method

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Polygon CreatePolygon(  params Point[] points ) |

#### Parameters

points

Type: **Point**[]

#### Return Value

Type: **Polygon**

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.GeometryToString Method

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GeometryToString(  IGeometry geo ) |

#### Parameters

geo

Type: **IGeometry**

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.StringToGeometry Method

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static IGeometry StringToGeometry(  string strWKBAsString ) |

#### Parameters

strWKBAsString

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Return Value

Type: **IGeometry**

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.GeoHelper Fields

The [GeoHelper](#_E88BD479_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [GERMANY\_CENTERPOINT](#_BAFCC562_Topic) |  |

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoHelper.GERMANY\_CENTERPOINT Field

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly Point GERMANY\_CENTERPOINT |

#### Field Value

Type: **Point**

## See Also

[GeoHelper Class](#_E88BD479_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# GeoTag Enumeration

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum GeoTag |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **Aeroway** | 0 |  |
|  | **Amenity** | 1 |  |
|  | **Craft** | 2 |  |
|  | **Emergency** | 3 |  |
|  | **Leisure** | 4 |  |
|  | **Man\_Made** | 5 |  |
|  | **Military** | 6 |  |
|  | **Place** | 7 |  |
|  | **Power** | 8 |  |
|  | **Shop** | 9 |  |
|  | **Vending** | 10 |  |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Highway Enumeration

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public enum Highway |

## Members

|  |  |  |  |
| --- | --- | --- | --- |
|  | Member name | Value | Description |
|  | **Motorway** | 0 | Autobahn https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dmotorway |
|  | **Trunk** | 1 | Autobahnähnliche Straße https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dtrunk |
|  | **Primary** | 2 | Bundesstraße https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dprimary |
|  | **Secondary** | 3 | Landes-, (Staats-,) oder sehr gut ausgebaute Kreisstraße https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dsecondary |
|  | **Tertiary** | 4 | Kreisstraße, sehr gut ausgebaute Gemeindeverbindungsstraße https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dtertiary |
|  | **Unclassified** | 5 | Öffentlich befahrbare Nebenstraßen mit einfachstem Ausbauzustand, typischerweise keine Mittellinie https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dunclassified |
|  | **Residential** | 6 | Straße an und in Wohngebieten, die keiner anderen Straßenklasse angehört (unclassified, tertiary, secondary, primary) https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dresidential |
|  | **Service** | 7 | Erschließungsweg zu oder innerhalb von Einrichtungen wie Sportanlagen, Stränden, Autobahnraststätten oder allgemein zu Gebäuden. Wird auch für den Zugang zu Parkplätzen oder Recyclinghöfen benutzt. https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dservice |
|  | **Motorway\_Link** | 8 | https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dmotorway\_link |
|  | **Trunk\_Link** | 9 | https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dtrunk\_link |
|  | **Primary\_Link** | 10 | https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dprimary\_link |
|  | **Secondary\_Link** | 11 | https://wiki.openstreetmap.org/wiki/DE:Tag:highway%3Dsecondary\_link |
|  | **Tertiary\_Link** | 12 | https://wiki.openstreetmap.org/wiki/Tag:highway%3Dtertiary\_link |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB Class

Helper For A MessageBox.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.MB

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class MB |

The **MB** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Error](#_F4F47ACD_Topic) | Errors the specified ex. |
| Public methodStatic member | [HereIAm](#_C6CC79FD_Topic) | Heres the i am. |
| Public methodStatic member | [Information(String)](#_1440853_Topic) | Informations the specified string information text. |
| Public methodStatic member | [Information(String,Object[])](#_BD57EE8B_Topic) | Informations the specified string format. |
| Public methodStatic member | [NotYetImplemented](#_7355FBB_Topic) | Nots the yet implemented. |
| Public methodStatic member | [Warning(String)](#_5754C18D_Topic) | Warnings the specified string information text. |
| Public methodStatic member | [Warning(String,Object[])](#_4B3DFFAC_Topic) | Warnings the specified string format. |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.MB Methods

The [MB](#_EFB0CB26_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Error](#_F4F47ACD_Topic) | Errors the specified ex. |
| Public methodStatic member | [HereIAm](#_C6CC79FD_Topic) | Heres the i am. |
| Public methodStatic member | [Information(String)](#_1440853_Topic) | Informations the specified string information text. |
| Public methodStatic member | [Information(String,Object[])](#_BD57EE8B_Topic) | Informations the specified string format. |
| Public methodStatic member | [NotYetImplemented](#_7355FBB_Topic) | Nots the yet implemented. |
| Public methodStatic member | [Warning(String)](#_5754C18D_Topic) | Warnings the specified string information text. |
| Public methodStatic member | [Warning(String,Object[])](#_4B3DFFAC_Topic) | Warnings the specified string format. |

## See Also

[MB Class](#_EFB0CB26_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Error Method

Errors the specified ex.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Error(  Exception ex,  string strCallerName = null ) |

#### Parameters

ex

Type: [System.Exception](http://msdn2.microsoft.com/en-us/library/c18k6c59)

The ex.

strCallerName (Optional)

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string caller.

## See Also

[MB Class](#_EFB0CB26_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.HereIAm Method

Heres the i am.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void HereIAm(  string strCallerName = null ) |

#### Parameters

strCallerName (Optional)

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string caller.

## See Also

[MB Class](#_EFB0CB26_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Information Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Information(String)](#_1440853_Topic) | Informations the specified string information text. |
| Public methodStatic member | [Information(String,Object[])](#_BD57EE8B_Topic) | Informations the specified string format. |

## See Also

[MB Class](#_EFB0CB26_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Information Method (String)

Informations the specified string information text.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Information(  string strInformationText ) |

#### Parameters

strInformationText

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string information text.

## See Also

[MB Class](#_EFB0CB26_Topic)

[Information Overload](#_5BB93BC3_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Information Method (String, Object[])

Informations the specified string format.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Information(  string strFormat,  params Object[] param ) |

#### Parameters

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string format.

param

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The parameter.

## See Also

[MB Class](#_EFB0CB26_Topic)

[Information Overload](#_5BB93BC3_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.NotYetImplemented Method

Nots the yet implemented.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void NotYetImplemented(  string strCallerName = null ) |

#### Parameters

strCallerName (Optional)

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string caller.

## See Also

[MB Class](#_EFB0CB26_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Warning Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [Warning(String)](#_5754C18D_Topic) | Warnings the specified string information text. |
| Public methodStatic member | [Warning(String,Object[])](#_4B3DFFAC_Topic) | Warnings the specified string format. |

## See Also

[MB Class](#_EFB0CB26_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Warning Method (String)

Warnings the specified string information text.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Warning(  string strInformationText ) |

#### Parameters

strInformationText

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string information text.

## See Also

[MB Class](#_EFB0CB26_Topic)

[Warning Overload](#_119117D9_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# MB.Warning Method (String, Object[])

Warnings the specified string format.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Warning(  string strFormat,  params Object[] param ) |

#### Parameters

strFormat

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string format.

param

Type: [System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)[]

The parameter.

## See Also

[MB Class](#_EFB0CB26_Topic)

[Warning Overload](#_119117D9_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.PythonSyntaxModeFileProvider

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class PythonSyntaxModeFileProvider : ISyntaxModeFileProvider |

The **PythonSyntaxModeFileProvider** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [PythonSyntaxModeFileProvider](#_BFDD351E_Topic) | Initializes a new instance of the **PythonSyntaxModeFileProvider** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [SyntaxModes](#_9C5F9652_Topic) | Gets the syntax modes. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetSyntaxModeFile](#_1F381E56_Topic) | Gets the syntax mode file. |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [UpdateSyntaxModeList](#_A6192D74_Topic) | Updates the syntax mode list. |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider Constructor

Initializes a new instance of the [PythonSyntaxModeFileProvider](#_CE10FF45_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public PythonSyntaxModeFileProvider() |

## See Also

[PythonSyntaxModeFileProvider Class](#_CE10FF45_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider.PythonSyntaxModeFileProvider Properties

The [PythonSyntaxModeFileProvider](#_CE10FF45_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [SyntaxModes](#_9C5F9652_Topic) | Gets the syntax modes. |

## See Also

[PythonSyntaxModeFileProvider Class](#_CE10FF45_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider.SyntaxModes Property

Gets the syntax modes.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public ICollection<SyntaxMode> SyntaxModes { get; } |

#### Property Value

Type: [ICollection](http://msdn2.microsoft.com/en-us/library/92t2ye13)(**SyntaxMode**)

#### Implements

**ISyntaxModeFileProvider.SyntaxModes**

## See Also

[PythonSyntaxModeFileProvider Class](#_CE10FF45_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider.PythonSyntaxModeFileProvider Methods

The [PythonSyntaxModeFileProvider](#_CE10FF45_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetSyntaxModeFile](#_1F381E56_Topic) | Gets the syntax mode file. |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [UpdateSyntaxModeList](#_A6192D74_Topic) | Updates the syntax mode list. |

## See Also

[PythonSyntaxModeFileProvider Class](#_CE10FF45_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider.GetSyntaxModeFile Method

Gets the syntax mode file.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public XmlTextReader GetSyntaxModeFile(  SyntaxMode syntaxMode ) |

#### Parameters

syntaxMode

Type: **SyntaxMode**

The syntax mode.

#### Return Value

Type: [XmlTextReader](http://msdn2.microsoft.com/en-us/library/7hh47ty4)

#### Implements

**ISyntaxModeFileProvider.GetSyntaxModeFile(SyntaxMode)**

## See Also

[PythonSyntaxModeFileProvider Class](#_CE10FF45_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# PythonSyntaxModeFileProvider.UpdateSyntaxModeList Method

Updates the syntax mode list.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public void UpdateSyntaxModeList() |

#### Implements

ISyntaxModeFileProvider.UpdateSyntaxModeList()

## See Also

[PythonSyntaxModeFileProvider Class](#_CE10FF45_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech Class

Klasse zum Ausgeben von Text in Sprache mittels Microsoft SAM.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.Speech

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public sealed class Speech : IDisposable |

The **Speech** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Speech](#_4651A57B_Topic) | Initializes a new instance of the **Speech** class. |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [State](#_855E4592_Topic) | Gets the state. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Dispose](#_A50661D0_Topic) | Führt anwendungsspezifische Aufgaben durch, die mit der Freigabe, der Zurückgabe oder dem Zurücksetzen von nicht verwalteten Ressourcen zusammenhängen. |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public methodStatic member | [Say](#_F51E7A89_Topic) | Says the specified string content. |
| Public method | [Speak](#_39E9450E_Topic) | Gibt den übergebenen Text aus. |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech Constructor

Initializes a new instance of the [Speech](#_F645CEA_Topic) class.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public Speech() |

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech.Speech Properties

The [Speech](#_F645CEA_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [State](#_855E4592_Topic) | Gets the state. |

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech.State Property

Gets the state.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public SynthesizerState State { get; } |

#### Property Value

Type: [SynthesizerState](http://msdn2.microsoft.com/en-us/library/ms596257)  
The state.

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech.Speech Methods

The [Speech](#_F645CEA_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [Dispose](#_A50661D0_Topic) | Führt anwendungsspezifische Aufgaben durch, die mit der Freigabe, der Zurückgabe oder dem Zurücksetzen von nicht verwalteten Ressourcen zusammenhängen. |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/bsc2ak47) | Determines whether the specified object is equal to the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/zdee4b3y) | Serves as the default hash function. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public methodStatic member | [Say](#_F51E7A89_Topic) | Says the specified string content. |
| Public method | [Speak](#_39E9450E_Topic) | Gibt den übergebenen Text aus. |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech.Dispose Method

Führt anwendungsspezifische Aufgaben durch, die mit der Freigabe, der Zurückgabe oder dem Zurücksetzen von nicht verwalteten Ressourcen zusammenhängen.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public void Dispose() |

#### Implements

[IDisposable.Dispose()](http://msdn2.microsoft.com/en-us/library/es4s3w1d)

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech.Say Method

Says the specified string content.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void Say(  string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the string.

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Speech.Speak Method

Gibt den übergebenen Text aus.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public void Speak(  string strContent ) |

#### Parameters

strContent

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Content of the string.

## See Also

[Speech Class](#_F645CEA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool Class

Klasse mit statischen Standalonefunktionen.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.Tool

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class Tool |

The **Tool** type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public propertyStatic member | [ProductName](#_C9591452_Topic) | Gets the name of the product. |
| Public propertyStatic member | [ProductTitle](#_847BB91F_Topic) | Gets the product title. |
| Public propertyStatic member | [StartupPath](#_22D2660D_Topic) | Gets the startup path. |
| Public propertyStatic member | [Version](#_A3727C21_Topic) | Gets the version. |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetGrad](#_B767F68_Topic) | Gets the grad. |
| Public methodStatic member | [GetGradMinutesSeconds](#_A2960EDB_Topic) | Gets the grad minutes seconds. |
| Public methodStatic member | [GetHumanDistance](#_C2D9DDF9_Topic) | Gets the human distance. |
| Public methodStatic member | [GetHumanSize](#_31561ACE_Topic) | Gets the size of the human. |
| Public methodStatic member | [ReadResourceAsString](#_663D9494_Topic) | Reads the resource as string. |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [ALLCHARS](#_91F94C3E_Topic) | The allchars |
| Public fieldStatic member | [ALLPANGRAMS](#_8537039B_Topic) | The allpangrams |
| Public fieldStatic member | [FOX](#_6366784A_Topic) | The quick brown fox jumps over a lazy dog. |
| Public fieldStatic member | [FRANZ](#_8436EE98_Topic) | Franz jagt im komplett verwahrlosten Taxi quer durch Bayern. |
| Public fieldStatic member | [WILFRIED](#_7D8701BE_Topic) | Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln. |
| Public fieldStatic member | [XYLOPHONMUSIK](#_CDEE0D06_Topic) | Falsches Üben von Xylophonmusik quält jeden größeren Zwerg. |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.Tool Properties

The [Tool](#_4A0B04CA_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public propertyStatic member | [ProductName](#_C9591452_Topic) | Gets the name of the product. |
| Public propertyStatic member | [ProductTitle](#_847BB91F_Topic) | Gets the product title. |
| Public propertyStatic member | [StartupPath](#_22D2660D_Topic) | Gets the startup path. |
| Public propertyStatic member | [Version](#_A3727C21_Topic) | Gets the version. |

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.ProductName Property

Gets the name of the product.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ProductName { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The name of the product.

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.ProductTitle Property

Gets the product title.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ProductTitle { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The product title.

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.StartupPath Property

Gets the startup path.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string StartupPath { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The startup path.

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.Version Property

Gets the version.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string Version { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
The version.

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.Tool Methods

The [Tool](#_4A0B04CA_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetGrad](#_B767F68_Topic) | Gets the grad. |
| Public methodStatic member | [GetGradMinutesSeconds](#_A2960EDB_Topic) | Gets the grad minutes seconds. |
| Public methodStatic member | [GetHumanDistance](#_C2D9DDF9_Topic) | Gets the human distance. |
| Public methodStatic member | [GetHumanSize](#_31561ACE_Topic) | Gets the size of the human. |
| Public methodStatic member | [ReadResourceAsString](#_663D9494_Topic) | Reads the resource as string. |

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.GetGrad Method

Gets the grad.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static double GetGrad(  double grad,  double minutes,  double seconds ) |

#### Parameters

grad

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The grad.

minutes

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The minutes.

seconds

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The seconds.

#### Return Value

Type: [Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.GetGradMinutesSeconds Method

Gets the grad minutes seconds.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetGradMinutesSeconds(  double grad ) |

#### Parameters

grad

Type: [System.Double](http://msdn2.microsoft.com/en-us/library/643eft0t)

The grad.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.GetHumanDistance Method

Gets the human distance.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetHumanDistance(  long lLengthInMeter ) |

#### Parameters

lLengthInMeter

Type: [System.Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek)

The l length in meter.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.GetHumanSize Method

Gets the size of the human.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string GetHumanSize(  long lSizeInBytes ) |

#### Parameters

lSizeInBytes

Type: [System.Int64](http://msdn2.microsoft.com/en-us/library/6yy583ek)

The l size in bytes.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.ReadResourceAsString Method

Reads the resource as string.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static string ReadResourceAsString(  string strResourceName ) |

#### Parameters

strResourceName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Name of the string resource.

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.Tool Fields

The [Tool](#_4A0B04CA_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [ALLCHARS](#_91F94C3E_Topic) | The allchars |
| Public fieldStatic member | [ALLPANGRAMS](#_8537039B_Topic) | The allpangrams |
| Public fieldStatic member | [FOX](#_6366784A_Topic) | The quick brown fox jumps over a lazy dog. |
| Public fieldStatic member | [FRANZ](#_8436EE98_Topic) | Franz jagt im komplett verwahrlosten Taxi quer durch Bayern. |
| Public fieldStatic member | [WILFRIED](#_7D8701BE_Topic) | Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln. |
| Public fieldStatic member | [XYLOPHONMUSIK](#_CDEE0D06_Topic) | Falsches Üben von Xylophonmusik quält jeden größeren Zwerg. |

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.ALLCHARS Field

The allchars

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string ALLCHARS |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.ALLPANGRAMS Field

The allpangrams

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly List<string> ALLPANGRAMS |

#### Field Value

Type: [List](http://msdn2.microsoft.com/en-us/library/6sh2ey19)([String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf))

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.FOX Field

The quick brown fox jumps over a lazy dog.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string FOX |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.FRANZ Field

Franz jagt im komplett verwahrlosten Taxi quer durch Bayern.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string FRANZ |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.WILFRIED Field

Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string WILFRIED |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Tool.XYLOPHONMUSIK Field

Falsches Üben von Xylophonmusik quält jeden größeren Zwerg.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static readonly string XYLOPHONMUSIK |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[Tool Class](#_4A0B04CA_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows Class

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  SIGENCEScenarioTool.Tools.Windows

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static class Windows |

The **Windows** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetWPFScreenshot](#_D01D8846_Topic) | Gets the WPF screenshot. |
| Public methodStatic member | [OpenWebAdress](#_A651E63C_Topic) | Opens the web adress. |
| Public methodStatic member | [OpenWithDefaultApplication(FileInfo)](#_361477BD_Topic) | Opens the with default application. |
| Public methodStatic member | [OpenWithDefaultApplication(String)](#_74601230_Topic) | Opens the with default application. |
| Public methodStatic member | [SaveWPFScreenshot](#_A232286_Topic) | Saves the WPF screenshot. |

## See Also

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.Windows Methods

The [Windows](#_B5EEF90C_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetWPFScreenshot](#_D01D8846_Topic) | Gets the WPF screenshot. |
| Public methodStatic member | [OpenWebAdress](#_A651E63C_Topic) | Opens the web adress. |
| Public methodStatic member | [OpenWithDefaultApplication(FileInfo)](#_361477BD_Topic) | Opens the with default application. |
| Public methodStatic member | [OpenWithDefaultApplication(String)](#_74601230_Topic) | Opens the with default application. |
| Public methodStatic member | [SaveWPFScreenshot](#_A232286_Topic) | Saves the WPF screenshot. |

## See Also

[Windows Class](#_B5EEF90C_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.GetWPFScreenshot Method

Gets the WPF screenshot.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static BitmapSource GetWPFScreenshot(  Control control,  Nullable<int> iWidth = null,  Nullable<int> iHeight = null ) |

#### Parameters

control

Type: [System.Windows.Controls.Control](http://msdn2.microsoft.com/en-us/library/ms609826)

The control.

iWidth (Optional)

Type: [System.Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))

Width of the i.

iHeight (Optional)

Type: [System.Nullable](http://msdn2.microsoft.com/en-us/library/b3h38hb0)([Int32](http://msdn2.microsoft.com/en-us/library/td2s409d))

Height of the i.

#### Return Value

Type: [BitmapSource](http://msdn2.microsoft.com/en-us/library/ms653387)

## See Also

[Windows Class](#_B5EEF90C_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.OpenWebAdress Method

Opens the web adress.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Process OpenWebAdress(  string strURL ) |

#### Parameters

strURL

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR URL.

#### Return Value

Type: [Process](http://msdn2.microsoft.com/en-us/library/ccf1tfx0)

## See Also

[Windows Class](#_B5EEF90C_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.OpenWithDefaultApplication Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [OpenWithDefaultApplication(FileInfo)](#_361477BD_Topic) | Opens the with default application. |
| Public methodStatic member | [OpenWithDefaultApplication(String)](#_74601230_Topic) | Opens the with default application. |

## See Also

[Windows Class](#_B5EEF90C_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.OpenWithDefaultApplication Method (FileInfo)

Opens the with default application.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Process OpenWithDefaultApplication(  FileInfo fiFile ) |

#### Parameters

fiFile

Type: [System.IO.FileInfo](http://msdn2.microsoft.com/en-us/library/akth6b1k)

The fi file.

#### Return Value

Type: [Process](http://msdn2.microsoft.com/en-us/library/ccf1tfx0)

## See Also

[Windows Class](#_B5EEF90C_Topic)

[OpenWithDefaultApplication Overload](#_2B6E7ED8_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.OpenWithDefaultApplication Method (String)

Opens the with default application.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static Process OpenWithDefaultApplication(  string strFile ) |

#### Parameters

strFile

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The STR file.

#### Return Value

Type: [Process](http://msdn2.microsoft.com/en-us/library/ccf1tfx0)

## See Also

[Windows Class](#_B5EEF90C_Topic)

[OpenWithDefaultApplication Overload](#_2B6E7ED8_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)

# Windows.SaveWPFScreenshot Method

Saves the WPF screenshot.

**Namespace:** [SIGENCEScenarioTool.Tools](#_2928EBE7_Topic)  
**Assembly:** SIGENCEScenarioTool.Library (in SIGENCEScenarioTool.Library.dll) Version: 15.0.0.0 (15)

## Syntax

|  |
| --- |
| C# |
| public static void SaveWPFScreenshot(  BitmapSource screenshot,  string strOutputFilename ) |

#### Parameters

screenshot

Type: [System.Windows.Media.Imaging.BitmapSource](http://msdn2.microsoft.com/en-us/library/ms653387)

The screenshot.

strOutputFilename

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

The string output filename.

## See Also

[Windows Class](#_B5EEF90C_Topic)

[SIGENCEScenarioTool.Tools Namespace](#_2928EBE7_Topic)