

1. Web services	5
1.1 dkWsltemsCGI	6
1.1.1 Client Development	11
1.1.1.1 PHP Client	12
1.1.1.2 Visual Studio .NET C# Client	14
1.1.2 Licensing	15
1.1.3 Authentication Headers	16
1.1.3.1 Basic Security	17
1.1.4 dkAuth 1.0	18
1.1.4.1 Master Token	20
1.1.5 Classes	21
1.1.5.1 General Classes	23
1.1.5.1.1 TEmployee	24
1.1.5.1.2 TSalesPerson	25
1.1.5.1.3 TBalance	26
1.1.5.1.4 TAttachment	27
1.1.5.1.5 TPaymentMode	28
1.1.5.1.6 TPaymentTerm	29
1.1.5.1.7 TExtraProperty	30
1.1.5.1.8 TTtoken	31
1.1.5.1.9 TAttachmentFile	32
1.1.5.1.10 TCreditCard	33
1.1.5.1.11 TPerson	34
1.1.5.1.12 TAttachmentFile	35
1.1.5.1.13 TDim1	36
1.1.5.1.14 TDim2	37
1.1.5.1.15 TReference	38
1.1.5.1.16 TRegistrationEntry	39
1.1.5.1.17 TRegistrationGetOptions	40
1.1.5.1.18 TWSResult	41
1.1.5.2 Record Classes	42
1.1.5.2.1 TDeletedOptions	43
1.1.5.2.2 TDeletedRecord	44
1.1.5.2.3 TQueryNeedSync	45
1.1.5.2.4 TRecord	46
1.1.5.2.5 TRecordChange	47
1.1.5.2.6 TRecordOptions	48
1.1.5.2.7 TSyncNeeded	49
1.1.5.3 Customer Classes	50
1.1.5.3.1 TCustomer	51
1.1.5.3.2 TCustomerGroup	52
1.1.5.3.3 TCustomerLedgerCode	53
1.1.5.3.4 TCustomerOptions	54
1.1.5.3.5 TCustomerPaymentMode	55
1.1.5.3.6 TCustomerPaymentTerm	56
1.1.5.3.7 TItemReceiver	57
1.1.5.3.8 TContact	58
1.1.5.4 Item Classes	59
1.1.5.4.1 TBarcode	60
1.1.5.4.2 TCurrencyPrice	61
1.1.5.4.3 TItem	62
1.1.5.4.4 TItemAlternative	63
1.1.5.4.5 TItemCategory	64
1.1.5.4.6 TItemOptions	65
1.1.5.4.7 TItemUnit	66
1.1.5.4.8 TItemVendorLink	67
1.1.5.4.9 TVariation	68
1.1.5.4.10 TItemGroup	69
1.1.5.4.11 TWarehouseItem	70
1.1.5.4.12 TInventoryJournalLine	71
1.1.5.4.13 TItemWarehouse	72
1.1.5.4.14 TInventoryTransfer	73
1.1.5.4.15 TInventorying	74
1.1.5.4.16 TInventoryJournal	75
1.1.5.4.17 TInventoryingLine	76
1.1.5.5 Invoice Classes	77
1.1.5.5.1 TInvoice	78
1.1.5.5.2 TInvoiceGetOptions	79
1.1.5.5.3 TInvoiceOptions	80
1.1.5.5.4 TInvoiceLine	81
1.1.5.5.5 TPayment	82
1.1.5.6 Order Classes	83
1.1.5.6.1 TOrderLine	84
1.1.5.6.2 TOrder	85
1.1.5.7 Quote Classes	86
1.1.5.7.1 TQuote	87
1.1.5.7.2 TQuoteGetOptions	88
1.1.5.8 Purchase Classes	89
1.1.5.8.1 TPurchaseOptions	90
1.1.5.8.2 TPurchaseOrder	91
1.1.5.8.3 TPurchaseOrderLine	92
1.1.5.9 Project Classes	93
1.1.5.9.1 TJob	94
1.1.5.9.2 TJobGetOptions	95
1.1.5.9.3 TWorkCostLine	96

1.1.5.9.4 TWorkJournalCostLine	97
1.1.5.9.5 TWorkJournalLine	98
1.1.5.9.6 TWorkLine	99
1.1.5.9.7 TWorkOptions	100
1.1.5.10 Member Classes	101
1.1.5.10.1 TMemberV2	102
1.1.5.10.2 TWorkPlace	103
1.1.5.10.3 TMemberApplicationDetail	104
1.1.5.10.4 TMemberInfo	105
1.1.5.10.5 TMemberMembership	106
1.1.5.10.6 TMemberCarrer	107
1.1.5.10.7 TMemberEducation	108
1.1.5.10.8 TMemberJobTitle	109
1.1.5.10.9 TMemberMovement	110
1.1.5.10.10 TMemberGroup	111
1.1.5.10.11 TMemberSubGroup	112
1.1.5.10.12 TMaternityLeave	113
1.1.5.10.13 TMemberApplication	114
1.1.5.10.14 TMemberFund	115
1.1.5.10.15 TMemberFundPayment	116
1.1.5.10.16 TMemberStatistics	117
1.1.5.10.17 TMemberResume	118
1.1.5.10.18 TMemberFilter	119
1.1.5.10.19 TMemberOptions	120
1.1.5.10.20 TMemberFee	121
1.1.5.10.21 TMemberFeeOptions	122
1.1.5.10.22 TApplyForMembership	123
1.1.5.10.23 TMemberApplicationResult	124
1.1.5.10.24 TApplicationType	125
1.1.5.10.25 TMemberResumeType	126
1.1.5.10.26 TMemberResumeGroup	127
1.1.5.10.27 TApplicationResult	128
1.1.5.10.28 TFund	129
1.1.5.10.29 TMembershipCompany	130
1.1.5.10.30 TWorkPlace2	131
1.1.5.10.31 TTermDocument	132
1.1.5.11 TSubscriptionOrderFilter	133
1.1.5.12 General Ledger Classes	134
1.1.5.12.1 TGeneralLedgerAccount	135
1.1.5.12.2 TGeneralLedgerAccountGetOptions	136
1.1.5.12.3 TGGeneralLedgerOptions	137
1.1.5.12.4 TGLJournalHead	138
1.1.5.12.5 TGLJournalLine	139
1.1.5.13 Soap Headers	140
1.1.5.13.1 BasicSecurity	141
1.1.5.13.2 Security	142
1.1.5.13.3 TokenSecurity	143
1.1.5.14 Vendor Classes	144
1.1.5.14.1 TVendor	145
1.1.5.14.2 TVendorInvoice	146
1.1.5.14.3 TVendorInvoiceLine	147
1.1.5.15 Election classes	148
1.1.5.15.1 TElectionAnswer	149
1.1.5.15.2 TElectionBallot	150
1.1.5.15.3 TElectionHead	151
1.1.5.15.4 TElectionLine	152
1.1.5.15.5 TVoterElection	153
1.1.6 Functions	154
1.1.6.1 General Ledger	155
1.1.6.1.1 CreateGeneralLedgerJournal	156
1.1.6.1.2 GetGeneralLedgerAccounts	157
1.1.6.2 Projects	158
1.1.6.2.1 AddToWorkJournal	159
1.1.6.2.2 AddWorkItem	160
1.1.6.2.3 AddWorkItems	161
1.1.6.2.4 CreateJob	162
1.1.6.2.5 DeleteJob	163
1.1.6.2.6 DeleteWorkItem	164
1.1.6.2.7 DeleteWorkItems	165
1.1.6.2.8 GetJob	166
1.1.6.2.9 GetJobs	167
1.1.6.2.10 GetJobsEx	168
1.1.6.2.11 GetWorkCostItems	169
1.1.6.2.12 GetWorkItems	170
1.1.6.2.13 UpdateJob	171
1.1.6.2.14 UpdateWorkItem	172
1.1.6.2.15 UpdateWorkItems	173
1.1.6.3 Customers	174
1.1.6.3.1 Contact	175
1.1.6.3.2 Item Receiver	179
1.1.6.3.3 CreateCustomer	183
1.1.6.3.4 CreateCustomers	184
1.1.6.3.5 CustomerExists	185
1.1.6.3.6 DeleteCustomer	186
1.1.6.3.7 DeleteCustomers	187

1.1.6.3.8 GetCustomer	188
1.1.6.3.9 GetCustomers	189
1.1.6.3.10 GetCustomersEx	190
1.1.6.3.11 UpdateCustomer	191
1.1.6.3.12 UpdateCustomers	192
1.1.6.3.13 GetCustomersBySalesPerson	193
1.1.6.3.14 NumberOfModifiedCustomers	194
1.1.6.3.15 GetCustomerGroup	195
1.1.6.3.16 GetCustomerBalance	196
1.1.6.3.17 GetCustomerPaymentTerms	197
1.1.6.3.18 GetCustomerPaymentModes	198
1.1.6.3.19 GetPaymentModes	199
1.1.6.3.20 GetPaymentTerms	200
1.1.6.3.21 GetCustomerLedgerCodes	201
1.1.6.3.22 CustomerCount	202
1.1.6.3.23 UploadCustomerAttachment	203
1.1.6.4 General	204
1.1.6.4.1 Attachments	205
1.1.6.4.2 Employee	208
1.1.6.4.3 GetDim1	214
1.1.6.4.4 GetDim2	215
1.1.6.4.5 Registration	216
1.1.6.5 Products / Items	220
1.1.6.5.1 Barcode	221
1.1.6.5.2 CreateInventorying	225
1.1.6.5.3 CreateInventoryJournal	226
1.1.6.5.4 CreateInventoryTransfer	227
1.1.6.5.5 CreateItem	228
1.1.6.5.6 GetAllQuantityInItemWarehouse	229
1.1.6.5.7 GetCurrPrices	230
1.1.6.5.8 GetItem	231
1.1.6.5.9 GetItemCategories	232
1.1.6.5.10 GetItemFromRecordID	233
1.1.6.5.11 GetItemGroups	234
1.1.6.5.12 GetItems	235
1.1.6.5.13 GetItemsByGroup	236
1.1.6.5.14 GetItemsByGroupRecordID	237
1.1.6.5.15 GetItemsEx	238
1.1.6.5.16 GetItemsFromSubCategory	239
1.1.6.5.17 GetItemUnits	240
1.1.6.5.18 GetItemWarehouse	241
1.1.6.5.19 GetQuantityInItemWarehouse	242
1.1.6.5.20 ItemExists	243
1.1.6.5.21 NumberOfModifiedItems	244
1.1.6.5.22 UpdateItem	245
1.1.6.5.23 UpdateItems	246
1.1.6.6 Purchase Order	247
1.1.6.6.1 CreatePurchaseOrder	248
1.1.6.6.2 DeletePurchaseOrder	249
1.1.6.6.3 DeletePurchaseOrderLine	250
1.1.6.6.4 GetPurchaseOrder	251
1.1.6.6.5 GetPurchaseOrderByNumber	252
1.1.6.6.6 GetPurchaseOrderFromReference	253
1.1.6.6.7 GetPurchaseOrders	254
1.1.6.6.8 UpdatePurchaseOrder	255
1.1.6.6.9 UpdatePurchaseOrderLine	256
1.1.6.7 Records	257
1.1.6.7.1 GetRecords	258
1.1.6.7.2 GetRecordsEx	260
1.1.6.7.3 GetRecordFieldList	261
1.1.6.7.4 GetHasRecordChanges	262
1.1.6.7.5 GetDeleted	263
1.1.6.8 Sales	264
1.1.6.8.1 Invoices	265
1.1.6.8.2 Orders	279
1.1.6.8.3 Quotes	288
1.1.6.8.4 Sales Person	294
1.1.6.8.5 Subscription	298
1.1.6.9 Tokens	303
1.1.6.9.1 CreateToken	304
1.1.6.9.2 RefreshToken	305
1.1.6.9.3 RemoveToken	306
1.1.6.10 Vendors	307
1.1.6.10.1 CreateVendor	308
1.1.6.10.2 CreateVendorInvoice	309
1.1.6.10.3 GetItemVendors	310
1.1.6.10.4 GetVendor	311
1.1.6.10.5 GetVendors	312
1.1.6.10.6 UpdateVendor	313
1.1.6.10.7 UploadVendorInvoiceAttachment	314
1.1.6.10.8 VendorExists	315
1.1.6.11 Members	316
1.1.6.11.1 Member Applications	317
1.1.6.11.2 ApplyForMemberShip	323
1.1.6.11.3 CreateMember	324

1.1.6.11.4 CreateMemberFee	325
1.1.6.11.5 GetApplicationGroupTypes	326
1.1.6.11.6 GetMember	327
1.1.6.11.7 GetMemberCarrerArray	328
1.1.6.11.8 GetMemberEducationArray	329
1.1.6.11.9 GetMemberFundsArray	330
1.1.6.11.10 GetMemberGroups	331
1.1.6.11.11 GetMemberJobTitleArray	332
1.1.6.11.12 GetMemberMembershipArray	333
1.1.6.11.13 GetMemberResumeArray	334
1.1.6.11.14 GetMemberResumeGroups	335
1.1.6.11.15 GetMemberResumeTypes	336
1.1.6.11.16 GetMembers	337
1.1.6.11.17 GetMembersEx	338
1.1.6.11.18 GetMembersFromConditions	339
1.1.6.11.19 GetMembersFromConditionsEx	340
1.1.6.11.20 GetMembersMovementsByTypeAndDate	341
1.1.6.11.21 GetMemberSubGroups	342
1.1.6.11.22 GetMemberSubGroupsArray	343
1.1.6.11.23 GetModifiedMembers	344
1.1.6.11.24 isGovermentEmployee	345
1.1.6.11.25 isMemberInGroup	346
1.1.6.11.26 MemberActiveInVactionFund	347
1.1.6.11.27 MemberExists	348
1.1.6.11.28 NumberOfModifiedMembers	349
1.1.6.11.29 UpdateMember	350
1.1.6.11.30 UpdateMembers	351
1.1.6.11.31 GetMembershipData	352
1.1.6.11.32 GetAllMembershipCompanies	353
1.1.6.11.33 GetWorkplaces	354
1.1.6.11.34 GetAllWorkplaces	355
1.1.6.11.35 GetTermsForCompany	356
1.1.6.11.36 GetTermsForFund	357
1.1.6.11.37 GetTermsForAllFunds	358
1.1.6.11.38 GiveConsentForTerms	359
1.1.6.11.39 GiveConsentForCompanyTerms	360
1.1.6.12 Elections	361
1.1.6.12.1 GetElection	362
1.1.6.12.2 GetElectionLines	363
1.1.6.12.3 GetElections	364
1.1.6.12.4 ReturnVotes	365
1.1.7 Enumerators	366
1.1.7.1 TActionMethod	367
1.1.7.2 TComboBox_AccountType	368
1.1.7.3 TCombobox_ARCreditCardType	369
1.1.7.4 TComboBox_BSSClaimStatus	370
1.1.7.5 TComboBox_Group	371
1.1.7.6 TComboBox_ItemClass	372
1.1.7.7 TComboBox_JournalLineType	373
1.1.7.8 TComboBox_ORMemberFeeRate	374
1.1.7.9 TComboBox_PjJournalLineUnit	375
1.1.7.10 TComboBox_PrEmployeeStatus	376
1.1.7.11 TComboBox_SalesType	377
1.1.7.12 TComboBox_Settled	378
1.1.7.13 TComboBox_SOOrigin	379
1.1.7.14 TGender	380
1.1.7.15 TGrantType	381
1.1.7.16 TImageFormat	382
1.1.7.17 TMemberApplicationManagedBy	383
1.1.7.18 TMemberApplicationStatus	384
1.1.7.19 TMemberApplicationTypeOfPayment	385
1.1.7.20 TMemberMembershipType	386
1.1.7.21 TSalesOrderType	387
1.1.7.22 TTimeClockStampType	388
1.1.8 Additional information	389
1.1.8.1 Customer / member types	390
1.1.8.2 Election	391
1.1.8.2.1 Ballot types	392
1.1.8.2.2 Election / answer types	393
1.2 EMHotelWebService	394
1.2.1 Hotel Classes	395
1.2.1.1 TDkHotelBookingRequest	396
1.2.2 Hotel Functions	397
1.2.2.1 CreateHotelBooking	398

Web services

- [dkWsItemsCGI](#)
- [EMHotelWebService](#)

dkWsItemsCGI

Not all classes and functions are documented
but can be viewed in the [WSDL](#) of the webservicve

Demo Webservice

To access a demo webservice you can use for testing purposes

URL : <http://webservice.dkvistun.is/DemoDev/dkwsitemscgi.exe>

User : ws.dev

Password : Code2make

These credentials can be used to create a [dkAuth 1.0](#) Token

Remote Desktop Access

You can access the dkSystem and the data the webservice connects to to analyse the data and the system behind

To configure the remote desktop client [click here](#) for instruction
and use the following credentials to log into the Remote Session

Username : dkvistun\demo.developer

Password : contact hjalt@dk.is for access



Instruction you receive are in Icelandic but hopefully pictures say more than a thousand words
If not please contact hjalt@dk.is for more detailed instructions to setup remote desktop

[PHP Example TestClient.zip](#)

- Client Development
 - PHP Client
 - Visual Studio .NET C# Client
- Licensing
- Authentication Headers
 - Basic Security
- dkAuth 1.0
 - Master Token
- Classes
 - General Classes
 - TEmployee
 - TSalesPerson
 - TBalance
 - TAttachment
 - TPaymentMode
 - TPaymentTerm
 - TExtraProperty
 - TToken
 - TAttachmentFile
 - TCreditCard
 - TPerson
 - TAttachmentFile
 - TDim1
 - TDim2
 - TReference
 - TRegistrationEntry
 - TRegistrationGetOptions
 - TWSSResult
 - Record Classes
 - TDeletedOptions
 - TDeletedRecord
 - TQueryNeedSync
 - TRecord
 - TRecordChange
 - TRecordOptions
 - TSyncNeeded
 - Customer Classes
 - TCustomer
 - TCustomerGroup
 - TCustomerLedgerCode
 - TCustomerOptions
 - TCustomerPaymentMode
 - TCustomerPaymentTerm
 - TIItemReceiver
 - TContact

- Item Classes
 - TBarcode
 - TCurrencyPrice
 - TItem
 - TItemAlternative
 - TItemCategory
 - TItemOptions
 - TItemUnit
 - TItemVendorLink
 - TVariation
 - TItemGroup
 - TWarehouseItem
 - TInventoryJournalLine
 - TItemWarehouse
 - TInventoryTransfer
 - TInventorying
 - TInventoryJournal
 - TInventoryingLine
- Invoice Classes
 - TInvoice
 - TInvoiceGetOptions
 - TInvoiceOptions
 - TInvoiceLine
 - TPayment
- Order Classes
 - TOrderLine
 - TOrder
- Quote Classes
 - TQuote
 - TQuoteGetOptions
- Purchase Classes
 - TPurchaseOptions
 - TPurchaseOrder
 - TPurchaseOrderLine
- Project Classes
 - TJob
 - TJobGetOptions
 - TWorkCostLine
 - TWorkJournalCostLine
 - TWorkJournalLine
 - TWorkLine
 - TWorkOptions
- Member Classes
 - TMemberV2
 - TWorkPlace
 - TMemberApplicationDetail
 - TMemberInfo
 - TMemberMembership
 - TMemberCarrer
 - TMemberEducation
 - TMemberJobTitle
 - TMemberMovement
 - TMemberGroup
 - TMemberSubGroup
 - TMaternityLeave
 - TMemberApplication
 - TMemberFund
 - TMemberFundPayment
 - TMemberStatistics
 - TMemberResume
 - TMemberFilter
 - TMemberOptions
 - TMemberFee
 - TMemberFeeOptions
 - TApplyForMembership
 - TMemberApplicationResult
 - TApplicationType
 - TMemberResumeType
 - TMemberResumeGroup
 - TApplicationResult
 - TFund
 - TMembershipCompany
 - TWorkPlace2
 - TTernDocument
- TSubscriptionOrderFilter
- General Ledger Classes
 - TGeneralLedgerAccount
 - TGeneralLedgerAccountGetOptions
 - TGeneralLedgerOptions
 - TGLJournalHead
 - TGLJournalLine
- Soap Headers
 - BasicSecurity
 - Security
 - TokenSecurity

- Vendor Classes
 - TVendor
 - TVendorInvoice
 - TVendorInvoiceLine
- Election classes
 - TElectionAnswer
 - TElectionBallot
 - TElectionHead
 - TElectionLine
 - TVoterElection
- Functions
 - General Ledger
 - CreateGeneralLedgerJournal
 - GetGeneralLedgerAccounts
 - Projects
 - AddToWorkJournal
 - AddWorkItem
 - AddWorkItems
 - CreateJob
 - DeleteJob
 - DeleteWorkItem
 - DeleteWorkItems
 - GetJob
 - GetJobs
 - GetJobsEx
 - GetWorkCostItems
 - GetWorkItems
 - UpdateJob
 - UpdateWorkItem
 - UpdateWorkItems
 - Customers
 - Contact
 - CreateContact
 - DeleteContact
 - UpdateContact
 - Item Receiver
 - CreateItemReceiver
 - DeleteItemReceiver
 - UpdateItemReceiver
 - CreateCustomer
 - CreateCustomers
 - CustomerExists
 - DeleteCustomer
 - DeleteCustomers
 - GetCustomer
 - GetCustomers
 - GetCustomersEx
 - UpdateCustomer
 - UpdateCustomers
 - GetCustomersBySalesPerson
 - NumberOfModifiedCustomers
 - GetCustomerGroup
 - GetCustomerBalance
 - GetCustomerPaymentTerms
 - GetCustomerPaymentModes
 - GetPaymentModes
 - GetPaymentTerms
 - GetCustomerLedgerCodes
 - CustomerCount
 - UploadCustomerAttachment
 - General
 - Attachments
 - GetAttachment
 - GetAttachmentImage
 - Employee
 - GetEmployee
 - GetEmployees
 - CreateEmployee
 - UpdateEmployee
 - DeleteEmployee
 - GetDim1
 - GetDim2
 - Registration
 - GetRegistrations
 - GetSSNRegistration
 - Products / Items
 - Barcode
 - CreateBarcode
 - DeleteBarcode
 - GetBarcodes
 - CreateInventorying
 - CreateInventoryJournal
 - CreateInventoryTransfer
 - CreateItem
 - GetAllQuantityInItemWarehouse

- GetCurrPrices
- GetItem
- GetItemCategories
- GetItemFromRecordID
- GetItemGroups
- GetItems
- GetItemsByGroup
- GetItemsByGroupRecordID
- GetItemsEx
- GetItemsFromSubCategory
- GetItemUnits
- GetItemWarehouse
- GetQuantityInItemWarehouse
- ItemExists
- NumberOfModifiedItems
- UpdateItem
- UpdateItems
- Purchase Order
 - CreatePurchaseOrder
 - DeletePurchaseOrder
 - DeletePurchaseOrderLine
 - GetPurchaseOrder
 - GetPurchaseOrderByNumber
 - GetPurchaseOrderFromReference
 - GetPurchaseOrders
 - UpdatePurchaseOrder
 - UpdatePurchaseOrderLine
- Records
 - GetRecords
 - GetRecordsEx
 - GetRecordFieldList
 - GetHasRecordChanges
 - GetDeleted
- Sales
 - Invoices
 - CreateInvoice
 - CreateInvoices
 - DeleteInvoiceFromReference
 - DeleteUnPostedInvoice
 - GetCustomerItemDiscounts
 - GetInvoice
 - GetInvoiceByReference
 - GetInvoices
 - GetInvoicesChunk
 - GetInvoicesEx
 - GetInvoicesModified
 - GetUnPostedInvoices
 - Orders
 - AddToOrder
 - CreateOrder
 - DeleteOrder
 - GetOrder
 - GetOrders
 - RemoveFromOrder
 - UpdateOrder
 - UpdateOrderLine
 - Quotes
 - DeleteQuote
 - GetQuote
 - GetQuotes
 - GetQuotesByDate
 - GetQuotesInChunks
 - Sales Person
 - GetSalesPerson
 - GetSalesPersons
 - SalesPersonsExists
 - Subscription
 - CreateSubscriptionOrder
 - GetSubscriptionOrders
 - UpdateSubscriptionOrder
 - UpdateSubscriptionOrderLine
- Tokens
 - CreateToken
 - RefreshToken
 - RemoveToken
- Vendors
 - CreateVendor
 - CreateVendorInvoice
 - GetItemVendors
 - GetVendor
 - GetVendors
 - UpdateVendor
 - UploadVendorInvoiceAttachment
 - VendorExists
- Members

- Member Applications
 - GetMemberApplicationArray
 - CreateApplication
 - SendApplicationAttachment
 - GetApplicationAttachmentInfo
 - UpdateApplicationStatus
 - ApplyForMemberShip
 - CreateMember
 - CreateMemberFee
 - GetApplicationGroupTypes
 - GetMember
 - GetMemberCarrerArray
 - GetMemberEducationArray
 - GetMemberFundsArray
 - GetMemberGroups
 - GetMemberJobTitleArray
 - GetMemberMembershipArray
 - GetMemberResumeArray
 - GetMemberResumeGroups
 - GetMemberResumeTypes
 - GetMembers
 - GetMembersEx
 - GetMembersFromConditions
 - GetMembersFromConditionsEx
 - GetMembersMovementsByTypeAndDate
 - GetMemberSubGroups
 - GetMemberSubGroupsArray
 - GetModifiedMembers
 - isGovermentEmployee
 - isMemberInGroup
 - MemberActiveInVactionFund
 - MemberExists
 - NumberOfModifiedMembers
 - UpdateMember
 - UpdateMembers
 - GetMembershipData
 - GetAllMembershipCompanies
 - GetWorkplaces
 - GetAllWorkplaces
 - GetTermsForCompany
 - GetTermsForFund
 - GetTermsForAllFunds
 - GiveConsentForTerms
 - GiveConsentForCompanyTerms
- Elections
 - GetElection
 - GetElectionLines
 - GetElections
 - ReturnVotes
 - Enumerators
 - TActionMethod
 - TComboBox_AccountType
 - TCombobox_ARCreditCardType
 - TComboBox_BSSClaimStatus
 - TComboBox_Group
 - TComboBox_ItemClass
 - TComboBox_JournalLineType
 - TComboBox_ORMemberFeeRate
 - TComboBox_PjJournalLineUnit
 - TComboBox_PrEmployeeStatus
 - TComboBox_SalesType
 - TComboBox_Settled
 - TComboBox_SOOrigin
 - TGender
 - TGrantType
 - TImageFormat
 - TMemberApplicationManagedBy
 - TMemberApplicationStatus
 - TMemberApplicationTypeOfPayment
 - TMemberMembershipType
 - TSalesOrderType
 - TTImClockStampType
 - Additional information
 - Customer / member types
 - Election
 - Ballot types
 - Election / answer types

Client Development

Developers can connect to the webservice using any language that support the [SOAP Protocol](#)

Here we provide some examples using common languages

PHP Client

There are many ways to connect using PHP, but the most common way is to use SoapClient, many online resources are available! You can use <http://www.stccorp.net/ewsdl2php/> to generate a class library from the WSDL or use a simpler approach as shown in the following code example.

PHP Developers

Sample is not created by a PHP Professional, but should give developer a good starting point.

Example using SoapClient

You can define associative array to represent the classes in the WSDL

Store WSDL

```
PS H:\> (Invoke-WebRequest -Uri "http://webservice.dkvistun.is/demoDev/dkWSItemsCGI.exe/wsdl/IItemService").Content | Set-Content C:\temp\wsdl.txt
```

```
<!DOCTYPE html>
<html>
<body>
<h1>DK Superthin client software!</h1>
<h2>Hello php</h2>
<?php
error_reporting(E_ALL);
echo "Before";
$client = new SoapClient('C:\temp\wsdl.txt' ,array("soap_version" => SOAP_1_2, "trace" => 1, "cache_wsdl" => WSDL_CACHE_NONE));
$BS = array(
    "Username"=>"userX",
    "Password"=>"passwordY",
);
$member = array(
    "Name"=>"",
    "SSNumber"=>"",
);
$Header = new SoapHeader("urn:dkWSValueObjects","BasicSecurity", $BS, false);
$client->__setSoapHeaders($Header);

try{
    $comp = $client->GetCompany();

    $member = $client->getMember("SOMEID",null);
    //echo $client->__getLastRequest();
    echo $member->Name;
    echo $member->SSNumber;
}
catch (SoapFault $exception) {
    echo $exception;
}

echo "After";
?>
</body>
</html>
```

Related articles

- [PHP Client](#)
- [Visual Studio .NET C# Client](#)
- [TokenSecurity](#)
- [Security](#)
- [BasicSecurity](#)

Visual Studio .NET C# Client

In this example we will walk through creating a .NET client using Visual Studio

Step-by-step guide

Perform the following in Visual Studio

1. Open Visual Studio
2. Right click on reference and click on Service Reference
3. Click on advanced and click webreference
4. Enter the URL to the WSDL
5. Enter namespace for the service and click ok

Example Code using C#

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using WindowsFormsApp1.dkWS;
namespace WindowsFormsApp1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        private void button1_Click(object sender, EventArgs e)
        {
            var client = new IItemServiceservice()
            {
                BasicSecurityValue = new BasicSecurity()
                {
                    Username = "ws.dev",
                    Password="Code2make"
                }
            };
            var customer = client.GetCustomer("1710794709", new TCustomerOptions() { });
            label1.Text = customer.Name;
        }
    }
}
```

Your browser does not support the HTML5 video element

Related articles

- [PHP Client](#)
- [Visual Studio .NET C# Client](#)
- [TokenSecurity](#)
- [Security](#)
- [BasicSecurity](#)

Licensing

The webservice is a SaaS add-on to the dk System that supplies an interface others can use to extend the functionality of the system

 Prices are for communication with Company but discount do apply for multiple companies

Modules and Pricing

The prices for the service depend on two factors

- Number of modules needed
- Is the communication system <-> system or User System

By default the service is licensed for three modules

Most common are Inventory, Customers and Invoices

- General Ledger
- Orders ([GetOrder](#), [CreateOrder](#) etc.)
- Data Mining ([GetRecords](#) , [GetRecordsEx](#) etc.)
- Vendors ([GetVendor](#), [GetCustomersEx](#) etc.)
- Attachments ([GetAttachment](#), [GetAttachmentImage](#))

System to System

Examples of this are webshops

User to System

Mobile devices for example Order and Invoicing where an employee uses the system directly

Number of [Master Token](#)

Addtional module features

- ItemCategories
Additional information for [TItem](#) to include Group and subgroup(This feature is licensed by DK not the webservice)

Examples

The following are some examples that have been implemented

1. eCommerce integration
2. Hotel Booking System integration
3. Member system integration
4. Mobile Invoice Systems
5. Mobile Order System
6. Project System
7. Vendor Invoice Approval

Related articles

- [Licensing](#)

Authentication Headers

To communicate with the DK System using the webservice you need credentials or a token to get access to the data

When using the System to System licensing you have two options [BasicSecurity](#) or [Security](#)
if the Usero System Licensing model is used then [dkAuth 1.0 \(TokenSecurity\)](#) should be used but it can be used for System to System and is also recommended for security reasons

- [Basic Security](#)

Related articles

- [Basic Security](#)
- [Authentication Headers](#)
- [TokenSecurity](#)
- [Security](#)
- [BasicSecurity](#)

Basic Security

The most common authentication method is using the `TBasicSecurity` for authentication where you need to supply a username and password Step-by-step guide

Example using C#

```
var client = new IIItemServiceservice() { BasicSecurityValue = new BasicSecurity() { Username = "myuser", Password = "mypass" } };
```

Example using Delphi

```
function TMedicorThread.GetWsInterface : IIItemService;
var
  sec : BasicSecurity;
begin
  TimeOut := 180000;
  result := GetIIItemService(false,fWebserviceURL);
  sec := BasicSecurity.Create;
  sec.Username := fUserName;
  sec.Password := fPassword;
  result as ISOAPHeaders).Send( sec );
end;
```

Example using PHP

```
$BS = new BasicSecurity();
$BS->Username = "MyUsr";
$BS->Password = "MyPass";

$client = new SoapClient("file://C:/TestClient/dkWSDL_4_2_0.wsdl" ,array("soap_version" => SOAP_1_1,
"trace" => 1, "cache_wsdl" => WSDL_CACHE_NONE));
$header = new SoapHeader("urn:dkWSValueObjects","BasicSecurity" , $BS, false);
$client->__setSoapHeaders($header);
```

Related articles

- [Basic Security](#)
- [Authentication Headers](#)
- [TokenSecurity](#)
- [Security](#)
- [BasicSecurity](#)

dkAuth 1.0

In this document we will go through the usage of token based authentication to communicate with dk Software using dkWSItems SOAP Service.
dkAuth works mostly like oAuth 2.0 except that one Token has the ability to be a combined
APIKey + RefreshKey = MasterToken

When to use

The services is supplied for customers as a SaaS

For security reasons we do recommend using dkAuth in every situation

with that said we do allow the use of WSE 2.0 authentication and BasicSecurity authentication
for systems like eCommerce that do the integration between system.

Tokens should always be used the the application communicating with the service is user/device based for security reasons along with other prices that do apply for this kind of integration.

How it works

You can request Token(s) using the service Interface using a [CreateToken](#) function in the web-service
the initial token requested is called a [MasterToken](#).

All tokens from the service are valid for 5 day's after creation and after that time they cannot be used in any other function than [RefreshToken](#)

You can request up to 10 tokens that are valid within the 5 day period and after the valid period the token will not be recognized by the service and will be rejected.

By giving the token a 5 day validation period systems communicating with the service do not have to force the already generated to be replaced in for example user web session and the token fades away gradually.

[MasterToken](#) is always the latest token requested from the service and is the only token in the token stack that can be used to initiate a Token Refresh using the service

APPID

All tokens are assigned to a application defined by you using the APPID defined in the [TToken](#) object in the service.

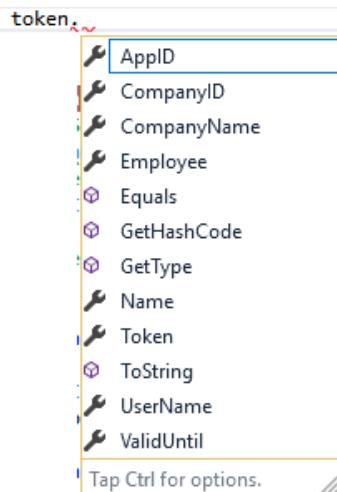
Usage

In this example we create a client instance and request the initial [Token\(MasterToken\)](#)

Create Token

```
dkWS.IIItemServiceservice dkService = new dkWS.IIItemServiceservice()
{
    BasicSecurityValue = new BasicSecurity()
    {
        Username = "ws.dev", Password = "Code2make"
    },
    Url = "http://webservice.dkvistun.is/DemoDevl/dkwsitemscgi.exe/soap/IItemService"
};
var token = dkService.CreateToken("ws.dev", "Code2Make", "dev", "MyApp");
```

The token is return with information related to the user it is assigned to that can then be used for many purposes.



To refresh a token and get a new [MasterToken](#) that will push the current master token into the token stack do the following

Refresh Token

```
var newToken = dkService.RefreshToken(token);
```



NOTE : dkAuth 1.0 is available in version 1.4.5+

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Master Token

The MasterToken is that last requested token for a user in a company
a user can have multiple tokens assigned to Company/User/AppId but only the latest token is the MasterToken

MasterTokens are the only token that can be used to request a [token refresh](#)
and behave like a combined APIKey / Refresh key in the oAuth 2.0 protocol
Read more in [dkAuth 1.0](#)

Client with Token

```
var clientWithToken = new IItemServiceservice(){TokenSecurityValue = new TokenSecurity() { AppID =  
"OrgApp", Token = "65550a75-5ceb-4ddl-adbf-3035c04afeff" }};
```

Classes

- General Classes
 - [TEmployee](#)
 - [TSalesPerson](#)
 - [TBalance](#)
 - [TAttachment](#)
 - [TPaymentMode](#)
 - [TPaymentTerm](#)
 - [TExtraProperty](#)
 - [TToken](#)
 - [TAttachmentFile](#)
 - [TCreditCard](#)
 - [TPerson](#)
 - [TAttachmentFile](#)
 - [TDim1](#)
 - [TDim2](#)
 - [TReference](#)
 - [TRegistrationEntry](#)
 - [TRegistrationGetOptions](#)
 - [TWSResult](#)
- Record Classes
 - [TDeletedOptions](#)
 - [TDeletedRecord](#)
 - [TQueryNeedSync](#)
 - [TRecord](#)
 - [TRecordChange](#)
 - [TRecordOptions](#)
 - [TSyncNeeded](#)
- Customer Classes
 - [TCustomer](#)
 - [TCustomerGroup](#)
 - [TCustomerLedgerCode](#)
 - [TCustomerOptions](#)
 - [TCustomerPaymentMode](#)
 - [TCustomerPaymentTerm](#)
 - [TItemReceiver](#)
 - [TContact](#)
- Item Classes
 - [TBarcode](#)
 - [TCurrencyPrice](#)
 - [TItem](#)
 - [TItemAlternative](#)
 - [TItemCategory](#)
 - [TItemOptions](#)
 - [TItemUnit](#)
 - [TItemVendorLink](#)
 - [TVariation](#)
 - [TItemGroup](#)
 - [TWarehouseItem](#)
 - [TInventoryJournalLine](#)
 - [TItemWarehouse](#)
 - [TInventoryTransfer](#)
 - [TInventorying](#)
 - [TInventoryJournal](#)
 - [TInventoryingLine](#)
- Invoice Classes
 - [TInvoice](#)
 - [TInvoiceGetOptions](#)
 - [TInvoiceOptions](#)
 - [TInvoiceLine](#)
 - [TPayment](#)
- Order Classes
 - [TOrderLine](#)
 - [TOrder](#)
- Quote Classes
 - [TQuote](#)
 - [TQuoteGetOptions](#)
- Purchase Classes
 - [TPurchaseOptions](#)
 - [TPurchaseOrder](#)
 - [TPurchaseOrderLine](#)
- Project Classes
 - [TJob](#)
 - [TJobGetOptions](#)
 - [TWorkCostLine](#)
 - [TWorkJournalCostLine](#)
 - [TWorkJournalLine](#)
 - [TWorkLine](#)
 - [TWorkOptions](#)
- Member Classes
 - [TMemberV2](#)
 - [TWorkPlace](#)
 - [TMemberApplicationDetail](#)

- [TMemberInfo](#)
- [TMemberMembership](#)
- [TMemberCarrer](#)
- [TMemberEducation](#)
- [TMemberJobTitle](#)
- [TMemberMovement](#)
- [TMemberGroup](#)
- [TMemberSubGroup](#)
- [TMaternityLeave](#)
- [TMemberApplication](#)
- [TMemberFund](#)
- [TMemberFundPayment](#)
- [TMemberStatistics](#)
- [TMemberResume](#)
- [TMemberFilter](#)
- [TMemberOptions](#)
- [TMemberFee](#)
- [TMemberFeeOptions](#)
- [TApplyForMembership](#)
- [TMemberApplicationResult](#)
- [TApplicationType](#)
- [TMemberResumeType](#)
- [TMemberResumeGroup](#)
- [TApplicationResult](#)
- [TFund](#)
- [TMembershipCompany](#)
- [TWorkPlace2](#)
- [TTermDocument](#)
- [TSubscriptionOrderFilter](#)
- General Ledger Classes
 - [TGeneralLedgerAccount](#)
 - [TGeneralLedgerAccountGetOptions](#)
 - [TGeneralLedgerOptions](#)
 - [TGLJournalHead](#)
 - [TGLJournalLine](#)
- Soap Headers
 - [BasicSecurity](#)
 - [Security](#)
 - [TokenSecurity](#)
- Vendor Classes
 - [TVendor](#)
 - [TVendorInvoice](#)
 - [TVendorInvoiceLine](#)
- Election classes
 - [TElectionAnswer](#)
 - [TElectionBallot](#)
 - [TElectionHead](#)
 - [TElectionLine](#)
 - [TVoterElection](#)

General Classes

- [TEmployee](#)
- [TSalesPerson](#)
- [TBalance](#)
- [TAttachment](#)
- [TPaymentMode](#)
- [TPaymentTerm](#)
- [TExtraProperty](#)
- [TToken](#)
- [TAttachmentFile](#)
- [TCreditCard](#)
- [TPerson](#)
- [TAttachmentFile](#)
- [TDim1](#)
- [TDim2](#)
- [TReference](#)
- [TRegistrationEntry](#)
- [TRegistrationGetOptions](#)
- [TWSResult](#)

TEmployee

This class represents a employee

Properties

The following are the properties of the class

- Number - String
- Name - String
- Address1 - String
- Address2 - String
- Address3 - String
- ZipCode- String
- City - String
- CountryCode- String
- SSNumber - String
- Phone- String
- PhoneLocal - String
- PhoneMobile- String
- Fax- String
- Email- String
- URL- String
- StampType - [TTimeClockStampType](#)
- StampStatus - Integer
- Comment - String
- Status - [TComboBox_PrEmployeeStatus](#)
- Tag - String

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TSalesPerson

This class represents a sales person

Properties

The following are the properties of the class

- Number - string
- NameOnInvoice - string
- Address1 - string
- Address2 - string
- Address3 - string
- Phone - string
- PhoneLocal - string
- PhoneMobile - string
- EmailAddress - string
- Employee - [TEmployee](#)
- Modified - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TBalance

This class represents a balance for a [TCustomer](#)

Properties

The following are the properties of the class

- Number - string
- Amount - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TAttachment

This class represents an attachment/file that is linked to for example [TItem](#)

Properties

The following are the properties of the class

- ID - Integer
- Name - string
- Size - Integer
- Linked - DateTime
- MD5Hash: String



MD5HASH

- MD5Hash is very useful to know if a file has changed and needs to be fetched
- If MD5Hash is an empty string the webservice does not have permission to access the file

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TPaymentMode

This class represents a payment mode

Properties

The following are the properties of the class

- Number - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TPaymentTerm

This class represents a payment mode

Properties

The following are the properties of the class

- Number - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TExtraProperty

This class represents a key/value property

Properties

The following are the properties of the class

- Name - string
- Value - string

Date Time Fields

If the property is assigned to a field that is a DateTime field
DateTime will be formatted in [ISO8601](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TToken

The TToken class is used for authentication in a SOAP Header
you can request the creation of a token using CreateToken and the request a new one using RefreshToken

Properties

1. APPID - **string** 1..8
This property is used to identify the application communicating with the system
2. CompanyId - **string**
this is the company identification number of the company that the token is assigned to
3. CompanyName - **string**
Name of the company the token is assigned to
4. Employee
ID of the employee the token is assigned to
5. Name - **string**
the name of the employee the token is assigned to
6. Token - **string**
Guid that represents the token/apikey
7. UserName - **string**
The unique id of the user the Token is assigned to
8. ValidUntil - **DateTime**
This is the Date and Time when the token will no longer be able to query the service



Token is the recommended authentication method to be used

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

TAttachmentFile

This class represents a file linked to an object like [TCustomer](#) or [TItem](#)

Properties

The following are the properties of the class

- Name - string
- Data - array of byte

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCreditCard

This class represents a credit card

Properties

The following are the properties of the class

- CardType - [TCombobox_ARCreditCardType](#)
- CardNumber - string
- ExpDate - datetime
- SSNumber - string
- Name - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TPerson

This class represents a person

Properties

The following are the properties of the class

- Number - string
- Name - string
- SSNumber - string
- Address1 - string
- Address2 - string
- Address3 - string
- Address4 - string
- ZipCode - string
- City - string
- CountryCode - string
- CountryName - string
- CountyCode - string
- Phone - string
- PhoneLocal - string
- PhoneMobile - string
- PhoneFax - string
- Email - string
- RecordCreated - datetime
- REcordModified - datetime
- Blocked - Boolean
- Gender - [TGender](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TAttachmentFile

This class represents an attachment/file

Properties

The following are the properties of the class

- Name - string
- Data - Array of byte

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TDim1

This class represents a dimension

Properties

The following are the properties of the class

- Number - string
- Name - string
- Modified - datetime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TDim2

This class represents a dimension2

Properties

The following are the properties of the class

- Number - string
- Name - string
- Modified - datetime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TReference

This class represents a reference

Properties

The following are the properties of the class

- Number - string
- Description- string
- Name - string
- Address1 - string
- Address2 - string
- SSNumber - string
- ZipCode - string
- City - string
- CountryCode - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TRegistrationEntry

This class represents a person/company from the Nation Person Registration or Company Registration

Properties

The following are the properties of the class

- Created - datetime
- Modified - datetime
- ID - string
- Name - string
- Address - string
- ZipCode - string
- ISATNumber - string
- VATNumber - string
- ExtraProperties - Array of string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TRegistrationGetOptions

This class defines options to used then fetching [TRegistrationEntry](#)

Properties

The following are the properties of the class

- Modified - datetime
- MaxEntries - Integer
- ExtraProperties - Array of [TExtraProperty](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWSResult

- ResultCode : integer
- ErrorString : string

Additional information

ResultCode

0 - Error

1 - Success

ErrorString

If ResultCode is 0 then ErrorString contains information about the error

Record Classes

- [TDeletedOptions](#)
- [TDeletedRecord](#)
- [TQueryNeedSync](#)
- [TRecord](#)
- [TRecordChange](#)
- [TRecordOptions](#)
- [TSyncNeeded](#)

TDeletedOptions

This class represents a option class for deleted records

Properties

The following are the properties of the class

- ExtraProperties - Array of TExtraProperties

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TDeletedRecord

This class represents a deleted record and information related to it

Properties

The following are the properties of the class

- DeleteId - int
- RecordId - int
- HeadId - int
- SequenceNumber - int
- RecordCreated - DateTime
- EntryId - string
- EntryName - string
- Fields - Array of [TExtraProperty](#)



Fields will contain and properties that were sent in using the option class ExtraProperties

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TQueryNeedSync

This class represents a table and when it was last modified

Properties

The following are the properties of the class

- TableName - String
- LastModified - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TRecord

This class represents a list of field in a table

Properties

The following are the properties of the class

- Fields - Array of TExtraProperties



Fields contains an array that consists of key/value pairs

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TRecordChange

This class represents a changes that have been made to a [TItem](#)

Properties

The following are the properties of the class

- `ModifiedDate` - `DateTime`
- `ModifiedBy` - `string`
- `Fields` - `ArrayOfFieldChanges`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TRecordOptions

This class represents options for functions that return [TRecord](#)

Properties

The following are the properties of the class

- **Extraproperties** - Array of string
List of field names that should be returned
- **SkipEmptyValues** - Boolean
if true then field that have default values like empty string, boolean false are not returned
this is useful to minimize the size of the SOAP
- **MaxRecords** - Integer
the number of [TRecord](#) to return
- **UseXMLDateTime** - Boolean
Return dates in the [ISO 8601](#) format
- **Filter** - Array of [TExtraProperty](#)



SkipEmptyValues = true can improve performance
for example when fetching a customer using the record functions because less overhead is in the response

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TSyncNeeded

This class represents a table and if it needs to be synced

Properties

The following are the properties of the class

- TableName - String
- HasChanged- Boolean

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Customer Classes

- [TCustomer](#)
- [TCustomerGroup](#)
- [TCustomerLedgerCode](#)
- [TCustomerOptions](#)
- [TCustomerPaymentMode](#)
- [TCustomerPaymentTerm](#)
- [TItemReceiver](#)
- [TContact](#)

TCustomer

This class represents a customer in dk System

Properties

The following are the properties of the class

- RecordID Integer
- Number String
- Name String
- SSNumber String
- Address1 String
- Address2 String
- Address3 String
- Address4 String
- ZipCode String
- City String
- Phone String
- PhoneLocal String
- PhoneMobile String
- PhoneFax String
- CountryCode String
- CountryName String
- CountyCode String
- OriginCountryCode String
- Email String
- Password String
- Group String
- SalesPerson String
- Discount Double
- ItemReceivers : Array of [TItemReceiver](#)
- UseItemReceiver Boolean
- Contacts : Array Of [TContact](#)
- PaymentTerm String
- PaymentMode String
- CurrencyCode String
- NoVat Boolean
- LedgerCode String
- RecordCreated DateTime
- RecordModified DateTime
- Blocked Boolean
- Gender : [TGender](#)
- BSSID String
- BSSCondition : TComboBox_BSSCondition
- CreditCard : [TCreditCard](#)
- PriceGroup : TComboBox_PriceGroup
- BillingFree Double
- Properties : Array Of TCustomerProperties
- Memo : Array Of TMemo
- Changes : Array Of TRecordChanges
- Attachments : Array Of [TAttachment](#)
- BalanceAmount Double
- Jobs : Array Of [TJobs](#)
- ExtraProperties : Array Of [TExtraProperty](#)
- Invoices : Array Of [TInvoiceList](#)
- NotSendToRetailSystem : boolean

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCustomerGroup

This class represents a [TCustomer](#) group

Properties

The following are the properties of the class

- Number - string
- Description- string
- Modified - datetime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCustomerLedgerCode

This class represents a customer ledger code

Properties

The following are the properties of the class

- Code - string
- Description - string
- Account - string
- InterestAccount - string
- BankAccount - string
- BankServiceAccount - string
- DiscountAccount - string
- FinanceChargeAccount - string
- AfrAccount - string
- CommissionAccount - string
- Modified - datetime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCustomerOptions

This class represents options to be used when fetching customers

Properties

The following are the properties of the class

- IncludeContacts - Boolean
- IncludeItemRecievers - Boolean
- IncludeProperties - Boolean
- IncludeMemos - Boolean
- HTMLEncodeMemos - Boolean
- IncludeChanges - Boolean
- IncludeAttachments - Boolean
- ShowAllAttachments - Boolean
- IncludeJobs - Boolean
- ExtraProperties - TStringDynArray
- LookupTransactions - Boolean
- IncludeInvoiceList - Boolean
- ItemReciver - string
- InvoiceLimitFrom - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCustomerPaymentMode

This class represents a payment mode

Properties

The following are the properties of the class

- Code - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCustomerPaymentTerm

This class represents a payment term

Properties

The following are the properties of the class

- Code - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemReceiver

This class represents a [TCustomer](#) item receiver

Properties

The following are the properties of the class

- Customer - String
- Number - String
- Name - String
- Address1 - String
- Address2 - String
- Address3 - String
- Address4 - String
- ZipCode - String
- City - String
- CountryCode - String
- SSNumber - String
- Phone - String
- PhoneLocal - String
- PhoneMobile - String
- Fax - String
- Email - String
- URL - String
- Telex - String
- EANNumber - String
- VATNumber - String
- Blocked - Boolean
- Modified - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TContact

This class represents a TCustomer contact

Properties

The following are the properties of the class

- Customer - String
- Number - String
- Name - String
- Title - String
- Address1 - String
- Address2 - String
- Address3 - String
- ZipCode - String
- City - String
- CountryCode - String
- Department - String
- SSNumber - String
- Phone - String
- PhoneLocal - String
- PhoneMobile - String
- Fax - String
- Email - String
- URL - String
- Telex - String
- JobTitleCode - String
- Modified - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Item Classes

- [TBarcode](#)
- [TCurrencyPrice](#)
- [TItem](#)
- [TItemAlternative](#)
- [TItemCategory](#)
- [TItemOptions](#)
- [TItemUnit](#)
- [TItemVendorLink](#)
- [TVariation](#)
- [TItemGroup](#)
- [TWarehouseItem](#)
- [TInventoryJournalLine](#)
- [TItemWarehouse](#)
- [TInventoryTransfer](#)
- [TInventorying](#)
- [TInventoryJournal](#)
- [TInventoryingLine](#)

TBarcode

This class represents a barcode that belongs to a [TItem](#)

Properties

The following are the properties of the class

- BarCode - string
- ItemCode - string
- Quantity - double
- Modified - DateTime



Barcodes can also be fetched with a [TItem](#) functions and [TItemOptions](#) have the option set to includeBarcodes functions like [GetItem](#), [GetItems](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCurrencyPrice

This class represents prices for a currency

Properties

The following are the properties of the class

- CurrencyCode - string
- Price1 - double
- Price2 - double
- Price3 - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItem

This class represents a product

Properties

The following are the properties of the class

- RecordId - Integer
- ItemCode - String
- AliasItemCode - String
- Description - String₄₀
- Description2 - String₄₀
- Group - String₆
- UnitVolume - Double
- UnitQuantity - Double
- CostPrice - Double
- PurchasePrice - Double
- CurrencyCode - String
- Exchange - Double
- Purchasefactor - Double
- NetWeight - Double
- UnitCode - String
- RecordCreated - String
- RecordModified - String
- PropositionPrice - Double
- ProfitRatio1 - Double
- UnitPrice1 - Double
- UnitPrice1WithTax - Double
- UnitPrice2 - Double
- UnitPrice3WithTax - Double
- UnitPrice3 - Double
- UnitPrice2WithTax - Double
- ShowItemInWebShop - Boolean
- TotalQuantityInWarehouse - Double
- CurrPrices : Array of [TCurrencyPrice](#)
- ExtraDesc1 - String₂₀₀₀
- ExtraDesc2 - String₂₀₀₀
- IsVariation - Boolean
- Variation : Array of [TVariation](#)
- TaxPercent - Double
- BarCodes : Array of [TBarcode](#)
- AllowNegativeInventory - Boolean
- AllowDiscount - Boolean
- MaxDiscountAllowed - Double
- DiscountQuantity - Double
- Discount - Double
- Inactive - Boolean
- PropositionDateTo - DateTime
- ItemClass - [TComboBox_ItemClass](#)
- Warehouses: Array of [TWarehouseItem](#)
- ItemCategories: Array of [TItemCategory](#)
- DefaultSaleQuantity - Double
- Changes : Array of [TRecordChange](#)
- Attachments : Array of [TAttachment](#)
- VendorLinks : Array of [TItemVendorLink](#)
- ExtraProperties: Array of [TExtraProperty](#)
- UnitCodes: Array of [TItemUnit](#)
- Alternative: Array of [TItemAlternative](#)
- NotSendToRetailSystem : boolean

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemAlternative

This class represents a alternative products a [TItem](#)

Properties

The following are the properties of the class

- Alternative - string
- Original - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemCategory

This class represents a category for a [TItem](#)

Properties

The following are the properties of the class

- ID - string
- SubGroups - ArrayOfItemSubCategories
- Description - string
- IsActive - Boolean

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemOptions

This class represents options used when fetching [TItem](#)

Properties

The following are the properties of the class

- `IncludeBarCodes` - Boolean
- `IfNotFoundReturnNil` - Boolean
- `IncludeGroups` - Boolean
- `OnlyGetWebshopItems` - Boolean
- `IncludeWarehouse` - Boolean
- `OnlyMedicine` - Boolean
- `IncludeItemCategories` - Boolean
- `IncludeChanges` - Boolean
- `DisableTransactionCheck` - Boolean
- `DisableCategorieCheck` - Boolean
- `IncludeAttachments` - Boolean
- `ShowAllAttachments` - Boolean
- `IncludeVendorLinks` - Boolean
- `ExtraProperties`: Array of string
- `IncludeUnitcodes` - Boolean
- `IncludeAlternative` - Boolean
- `IncludeCurrencyPrices` - Boolean

 OnlyGetWebshopItems is a legacy property and it is not recommended to use.
rather look at the property in the [TItem](#) at the client side prior to store or remove

ExtraProperties

Use ExtraProperties to get values from fields that are not included in the [TItem](#) and it will be returned in the object.ExtraProperties Array

For example you can specify "WebCondition" and that extends the functionality of [TItem.WebShopItem](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemUnit

This class represents a unit for a [TItem](#)

Properties

The following are the properties of the class

- RecordID - Integer
- Code - String
- Description - String
- Modified- DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemVendorLink

This class represents a information about the product from a vendor/supplier

Properties

The following are the properties of the class

- Vendor - string
- ItemCode - string
- VendorItemCode - string
- Description - string
- LastPurchasePrice - double
- LastPurchaseQuantity - double
- LastPurchaseDate - DateTime
- MainSupplier - boolean
- DeliveryTime - Integer
- Price - Double
- Discount - double
- PurchaseDiscount - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TVariation

This class represents a variation for a [TItem](#)

Properties

The following are the properties of the class

- Code - string
- Description - string
- Quantity - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemGroup

This class represents a group that Item can be associated with

Properties

The following are the properties of the class

- RecordID - integer
- GroupID - string
- Description - string
- Modified - datetime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWarehouseItem

This class represents information for a [TItem](#) in a warehouse

Properties

The following are the properties of the class

- Warehouse - string
- ItemCode - string
- SubGroup1 - string
- SubGroup2 - string
- SubGroup3 - string
- SubGroup4 - string
- Quantity - Double
- LocationInWarehouse - string
- Variation - Array of [TVariation](#)
- QuantityOnBackOrders - double
- QuantityPoOrders - double
- Modified - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInventoryJournalLine

This class represents a inventory journal that belongs to a [TInventoryJournal](#)

Properties

The following are the properties of the class

- ItemCode - string
- Warehouse - string
- Date - DateTime
- Quantity - double
- Text - string
- Reference - string

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TItemWarehouse

This class represents a Item in warehouse

Properties

The following are the properties of the class

- ItemCode - String
- Quantity - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInventoryTransfer

This class represents transfer of a [TItem](#) between warehouses

Properties

The following are the properties of the class

- ItemCode - string
- Quantity - double
- FromWarehouse - string
- ToWarehouse - string
- Comment - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInventorying

This class represents a inventory quantity in stock

Properties

The following are the properties of the class

- Description - string
- Warehouse - string
- Lines - Array of [TInventoryingLine](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInventoryJournal

This class represents a inventory journal

Properties

The following are the properties of the class

- Date - DateTime
- Description - string
- Warehouse - string
- Lines - Array of TInventoryJournalLine

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInventoryLine

This class represents a inventory quantity in stock for a [TItem](#)

Properties

The following are the properties of the class

- ItemCode- string
- Warehouse - string
- CountedQuantity - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Invoice Classes

- [TInvoice](#)
- [TInvoiceGetOptions](#)
- [TInvoiceOptions](#)
- [TInvoiceLine](#)
- [TPayment](#)

TInvoice

This class represents an invoice

Properties

The following are the properties of the class

- RecordID - Integer
- InvoiceNumber - String
- OrderNumber - Integer
- SalesOrderType - [TSalesOrderType](#)
- CustomerNumber - String
- Customer - [TCustomer](#)
- InvoiceDate - DateTime
- SalePerson - String
- TotalAmount - Double
- TotalAmountWithTax - Double
- ItemReceiver - [TItemReceiver](#)
- ItemReceiverContact - String
- ContactNumber - String
- Contact - [TContact](#)
- Payments - Array of [TPayment](#)
- Lines - Array of [TInvoiceLine](#)
- ReferenceNumber - String
- Reference - [TReference](#)
- CurrencyCode - String
- Text2 - String
- Text1 - String
- Dim1 - String
- Origin - [TComboBox_SOOrigin](#)
- Job - [TJob](#)
- Options - [TInvoiceOptions](#)
- PaymentTerm - String
- ClaimStatus - [TComboBox_BSSClaimStatus](#)
- SettledType - [TComboBox_Settled](#)
- SettledAmount - Double
- DiscountPercent - Double
- Discount - Double
- ExtraProperties - Array of [TExtraProperty](#)
- AttachmentFile - [TAttachmentFile](#)
- Exchange - Double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInvoiceGetOptions

This class represents option on how to filter, handle and populate the resulting query

Properties

The following are the properties of the class

- LineExtraProperties - Array of string
- ExtraProperties - Array of string
- ItemReciver - string
- ExcludeLines - Boolean
- MaxInvoices - Integer
- ExcludeObject - Boolean
- SalesType - [TComboBox_SalesType](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInvoiceOptions

This class represents option on how the webservice should handle objects send with the [TInvoice](#)

Properties

The following are the properties of the class

- Itemreciver - [TActionMethod](#)
- Job - [TActionMethod](#)
- Customer - [TActionMethod](#)
- Reference - [TActionMethod](#)
- Contact - [TActionMethod](#)
- FindNewPrices - Boolean
- IsPrescription - Boolean
- IncludeAttachment - Boolean
- LineExtraProperties - Array of string
- ExtraProperties - Array of string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TInvoiceLine

This class represents an invoice line that belongs to a [TInvoice](#)

Properties

The following are the properties of the class

- SequenceNumber - Integer
- ItemCode- String
- Text- String
- Text2 - String
- WareHouse - String
- Quantity- Double
- UnitCode - String
- UnitPrice - Double
- UnitPriceWithTax - Double
- Discount - Double
- DiscountAmount - Double
- TotalAmountWithTax - Double
- TotalAmount- Double
- Variations : Array of [TVariation](#)
- Dim1 - String
- DiscountAmountWithTax - Double
- Reference - String
- ExtraProperties - ArrayOfExtraProperties

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TPayment

This class represents a payment linked to a [TInvoice](#)

The following are the properties of the class

- PaymentTypeId- Integer
- Amount- Double



Note amount's are allways amounts including VAT

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Order Classes

- [TOrderLine](#)
- [TOrder](#)

TOrderLine

This class represents an order line

Properties

The following are the properties of the class

- SequenceNumber - Integer
- ItemCode - String
- Text - String
- WareHouse - String
- Quantity - Double
- UnitPrice - Double
- UnitPriceWithTax - Double
- Discount - Double
- DiscountPercent - Double
- TotalAmount - Double
- TotalAmountWithTax - Double
- Variations - Array of [TVariation](#)
- BarCode - String
- SkipOrderLineInCreate - Boolean
- CreatedSalesOrderQuantity - Double
- QuantityDelivered - Double
- Reference - String
- UseCustomerItemCode - Boolean
- EDIOrderNumber - String
- UNDOrderNumber - Integer

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TOrder

This class represents an order

Properties

The following are the properties of the class

- OrderNumber - Integer
- Customer - [TCustomer](#)
- OrderDate - DateTime
- SalePerson - String
- TotalAmount - Double
- ItemReceiver - [TItemReceiver](#)
- Contact - [TContact](#)
- Lines - ArrayOfOrderLine
- ReferenceNumber - String
- CurrencyCode - String
- Text1 - String
- Text2 - String
- CustomerOrderDate - DateTime
- RequestedDeliveryDate - DateTime
- CustomerOrderNo - String
- Goodsmarking - String
- Options - [TOrderOptions](#)
- Status - [TComboBox_SOHeadStatus](#)
- DeliveryStatus- [TComboBox_SODeliveryStatus](#)
- ConfirmedDeliveryDate - DateTime
- FinalDeliveryDate - DateTime
- OrgSalesOrderDate - DateTime
- ExtraProperties - Array of [TExtraProperty](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Quote Classes

- [TQuote](#)
- [TQuoteGetOptions](#)

TQuote

This class represents a quote

Properties

The following are the properties of the class

- ID - Integer
- QuoteNumber - String
- CustomerNumber - String
- Customer - [TCustomer](#)
- Date - DateTime
- SalePerson - String
- TotalAmount - Double
- TotalAmountWithTax - Double
- ItemReceiver - [TItemReceiver](#)
- ItemReciverContact - String
- ContactNumber - String
- Contact - [TContact](#)
- Lines - ArrayOfQuoteLine
- ReferenceNumber - String
- CurrencyCode - String
- Text2 - String
- Text1 - String
- DiscountPercent - Double
- Discount - Double
- ExtraProperties - ArrayOfExtraProperties
- Status - TComboBox_SOHeadStatus

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TQuoteGetOptions

This class represents an options for quotes being fetched

Properties

The following are the properties of the class

- LineExtraProperties - Array of string
- ExtraProperties - Array of string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Purchase Classes

- [TPurchaseOptions](#)
- [TPurchaseOrder](#)
- [TPurchaseOrderLine](#)

TPurchaseOptions

This class represents a purchase order options

Properties

The following are the properties of the class

- ExtraProperties - Array of string
- ExtraLineProperties - Array of string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TPurchaseOrder

This class represents a purchase order

Properties

The following are the properties of the class

- Lines - Array of [TPurchaseOrderLine](#)
- Vendor - [TVendor](#)
- OrderDate - DateTime
- Reference - String
- ExtraProperties - Array of [TExtraProperty](#)
- RecordID - integer
- PurchaseOrderNumber - String

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TPurchaseOrderLine

This class represents a purchase order line

Properties

The following are the properties of the class

- Warehouse - String
- Quantity - double
- Reference - String
- ItemCode - String
- VendorItemCode - String
- ExtraProperties - Array of [TExtraProperty](#)
- HeadID - Integer
- SequenceID - Integer

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Project Classes

- [TJob](#)
- [TJobGetOptions](#)
- [TWorkCostLine](#)
- [TWorkJournalCostLine](#)
- [TWorkJournalLine](#)
- [TWorkLine](#)
- [TWorkOptions](#)

TJob

This class represents a job

Properties

The following are the properties of the class

- Number - String
- Name - String
- Group - String
- JobType - TComboBox_PjJobType
- Dim1Required - Boolean
- Serialnumber - String
- CustomerToRecieve - String
- Supervisor - String
- JobContactName - String
- ForeignName - String
- EstimatedBeginningDate - DateTime
- MasterJobNumber - String
- Owner - String
- ActualFinishDate - DateTime
- Dim2 - String
- Dim3 - String
- TaskId - String
- QuotationCurrencyCode - String
- Dim1 - String
- TaskRequired - Boolean
- FoundingDate - DateTime
- JobBillingMode - TComboBox_PjBillingMode
- ActualBeginningDate - DateTime
- PessimistDate - DateTime
- QuotationAmountWithVAT - Boolean
- Phaseld - String
- EstimatedFinishDate - DateTime
- QuotationAmount - Double
- PhaseRequired - Boolean
- OptimistDate - DateTime
- JobStatus - TComboBox_PjJobStatus
- Worker - String
- QuotationNumber - Integer
- Dim2Required - Boolean
- Dim3Required - Boolean
- CustomerToBill - String
- CustomerNameToBill - String
- DiscountOfCost - Boolean
- DiscountOfDriveTime - Boolean
- QuotationWorkingAmount - Double
- QuotationWorkingHours - Double
- DiscountType - TComboBox_PjDiscountType
- ForeignPriceForWork - Double
- SkipTaxOnInvoice - Boolean
- JobDiscountPercent - Double
- QuotationLicenceAmount - Double
- DiscountOffTime - Boolean
- QuotationCostAmount - Double
- LedgerCode - String
- RecordID - Integer

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TJobGetOptions

This class represents options when retrieving [TJob](#) entries

Properties

The following are the properties of the class

- Modified - datetime
- MaxRecords - integer

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkCostLine

This class represents work cost line

Properties

The following are the properties of the class

- SequenceID - Integer
- ParentID - Integer
- EmployeeNumber - string
- JobNumber - string
- ItemCode - String
- JournalDate - DateTime
- DiscountPercent - Double
- Quantity - Double
- Description - string
- ExtraProperties - Array of [TExtraProperty](#)
- TaskId - String
- Phaseld - String

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkJournalCostLine

This class represents work journal cost line

Properties

The following are the properties of the class

- ItemCode : string
- Description : string
- Quantity : Double
- DiscountPercent: Double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkJournalLine

This class represents work journal line

Properties

The following are the properties of the class

- RecordID - integer
- Code - String
- EmployeeNumber - string
- JobNumber - string
- Text - string
- QuantityDayTime - Double
- ShouldBeBilled - Boolean
- QuantityDriveTime - Double
- CostLines - Array of [TWorkJournalCostLine](#)
- QuantityItem - Double
- UnitCode - String
- SaleQuantity - Double
- QuantityDayPayUnits - Double
- QuantityOverTime - Double
- JournalDate - DateTime
- Dim2 - String
- Dim3 - String
- TaskId - String
- Dim1 - String
- MemoText - String
- PhaselD - String
- Reference - String
- TherapyType - integer
- DriveUnit - [TComboBox_PjJournalLineUnit](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkLine

This class represents work line

Properties

The following are the properties of the class

- ParentID - Integer
- SequenceID - Integer
- QuantityDayPayUnits - Double
- QuantityOverTime - Double
- TaskId - String
- DriveUnit - TComboBox_PjJournalLineUnit
- QuantityDayTime - Double
- QuantityDriveTime - Double
- EmployeeNumber - String
- Text - String
- JournalDate - DateTime
- Phaseld - String
- JobNumber - String
- ExtraProperties - ArrayOfExtraProperties
- ShouldBeBilled - Boolean

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkOptions

This class represents work options

Properties

The following are the properties of the class

- JobNumber - string
- Employee - string
- ItemCode - string
- DateFrom - DateTime
- DateTo - DateTime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Member Classes

- [TMemberV2](#)
- [TWorkPlace](#)
- [TMemberApplicationDetail](#)
- [TMemberInfo](#)
- [TMemberMembership](#)
- [TMemberCarrer](#)
- [TMemberEducation](#)
- [TMemberJobTitle](#)
- [TMemberMovement](#)
- [TMemberGroup](#)
- [TMemberSubGroup](#)
- [TMaternityLeave](#)
- [TMemberApplication](#)
- [TMemberFund](#)
- [TMemberFundPayment](#)
- [TMemberStatistics](#)
- [TMemberResume](#)
- [TMemberFilter](#)
- [TMemberOptions](#)
- [TMemberFee](#)
- [TMemberFeeOptions](#)
- [TApplyForMembership](#)
- [TMemberApplicationResult](#)
- [TApplicationType](#)
- [TMemberResumeType](#)
- [TMemberResumeGroup](#)
- [TApplicationResult](#)
- [TFund](#)
- [TMembershipCompany](#)
- [TWorkPlace2](#)
- [TTermDocument](#)

TMemberV2

This class represents a member in dk System

Properties

The following are the properties of the class

- RecordID Integer
- Number String
- Name String
- SSNumber String
- Address1 String
- Address2 String
- Address3 String
- Address4 String
- ZipCode String
- City String
- Phone String
- PhoneLocal String
- PhoneMobile String
- PhoneFax String
- CountryCode String
- CountryName String
- CountyCode String
- Email String
- Password String
- Group String
- Tag - string
- SalesPerson String
- Discount Double
- ItemReceivers : Array of [TItemReceiver](#)
- Contacts : Array Of [TContact](#)
- PaymentType String
- CurrencyCode String
- NoVat Boolean
- LedgerCode String
- Blocked boolean
- Dead - boolean
- Retired - boolean
- Disabled- Boolean
- Points - double
- URL - string
- BankCode - string
- BankAccGroup - string
- BankAccount - string
- MemberSubGroups - Array of [TMemberSubGroup](#)
- Carrer - Array of [TMemberCarrer](#)
- Membership - Array of [TMemberMembership](#)
- Education - Array of [TMemberEducation](#)
- Applications - Array of [TMemberApplication](#)
- Funds - Array of [TMemberFund](#)
- CreditCard - [TCreditCard](#)
- Statistics - [TMemberStatistics](#)
- Resume - Array of [TMemberResume](#)
- Gender - [TGender](#)
- ExtraProperties - Array of [TExtraProperty](#)



Disabled is not a property to define if a member is active but is used to reflect if the member is handicapped



Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkPlace

This class represents a work place

Properties

The following are the properties of the class

- WorkplaceNumber - string
- WorkPlaceName - string
- DateFrom - datetime
- DateTo - datetime
- JobRatio - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberApplicationDetail

This class represents a member application detail

Properties

The following are the properties of the class

- TypeOfPayment - [TMemberApplicationTypeOfPayment](#)
- ActualPaymentDate - datetime
- PaymentAmount - double
- PaymentPaid - Boolean
- AmountPaid - double
- TaxAmountPaid - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberInfo

This class represents a member information

Properties

The following are the properties of the class

- MemberName - string
- Gender - [TGender](#)
- Age - string
- PostNumber - string
- SubGroups - Array of [TMemberSubGroup](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberMembership

This class represents a member membership

Properties

The following are the properties of the class

- Member - string
- DateFrom - datetime
- DateTo datetime
- Description - string
- MembershipNumber - string
- MembershipType - [TMemberMembershipType](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberCarrer

This class represents a member carrier

Properties

The following are the properties of the class

- RecordID - integer
- Company - string
- JobTitleCode - string
- JobTitle - string
- DateFrom - datetime
- DateTo - datetime
- WorkPercentage - double
- Description - string
- Workplace - string
- WorkplaceName - string
- CompanyName - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberEducation

This class represents a member education

Properties

The following are the properties of the class

- RecordID - integer
- Member - string
- Institution - string
- DateFrom - datetime
- DateTo - datetime
- CourseCode - string
- CourseText - string
- GraduationCode - string
- GraduationText - string
- Description - string
- Reference - string
- ZipCode - string
- CountryCode - string
- MasterSSNumber - string
- MasterName - string
- CompanySSNumber - string
- CompanyName - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberJobTitle

This class represents a member Job Title

Properties

The following are the properties of the class

- RecordID - integer
- Number - string
- Date - datetime
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberMovement

This class represents a member movement

Properties

The following are the properties of the class

- Member - string
- MemberName - string
- MemberEmail - string
- DateFrom - datetime
- DateTo - datetime
- Description - string
- Description2 - string
- Group - string
- GroupDesc - string
- ATType - string
- ATTypeDesc - string
- Reference - string
- ItemCode - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberGroup

This class represents a member group

Properties

The following are the properties of the class

- Group - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberSubGroup

This class represents a member sub group

Properties

The following are the properties of the class

- Group - string
- SubGroup - string
- Description - string
- GroupDescription - string
- DefaultItemCode - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMaternityLeave

This class represents a member maternity leave

Properties

The following are the properties of the class

- DateFrom - datetime
- DateTo - datetime
- JobRatio - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberApplication

This class represents a member application

Properties

The following are the properties of the class

- Member - string
- MemberBankCode - string
- MemberBankAccGroup - string
- MemberBankAccount - string
- FundCode - string
- GrantDescription - string
- Grant - string
- Purpose - string
- Description - Description
- ApplicationNumber - integer
- Status - [TMemberApplicationStatus](#)
- ManagedBy - [TMemberApplicationManagedBy](#)
- ApplicationDate - datetime
- DateOfMeeting - datetime
- DenialCode - string
- DenialCodeDescription - string
- Group - string
- SubGroup - string
- TotalAmount - double
- PeriodFrom - datetime
- PeriodTo - datetime
- ApplicationAmount - double
- PostedDate - datetime
- Comment - string
- Text1 - string
- Text2 - string
- MembershipRulesOK - Boolean
- GrantRulesOK - Boolean
- Reference - string
- JobRatio - double
- GrantCount - integer
- UnitCount - integer
- Location - string
- PeriodDescription - string
- Organizer - string
- WorkPlace - string
- WorkPlaceNumber - string
- VoucherTag - string
- ContactNumber - string
- ContactName - string
- ContactPhone - string
- ContactPhoneMobile -string
- ContactEmail - string
- ApplicationDetails - Array of [TMemberApplicationDetail](#)
- WorkPlaceHistory - Array of [TWorkPlace](#)
- MaternityLeaves - Array of [TMaternityLeave](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberFund

This class represents a member fund

Properties

The following are the properties of the class

- BatchId - integer
- JournalDate - datetime
- DateFrom - datetime
- DateTo - datetime
- Customer - string
- WorkplaceId - string
- MembershipCompany - string
- Reference - string
- TotalAmount - double
- CustomerName - string
- Settled - Boolean
- Payments - Array of [TMemberFundPayment](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberFundPayment

This class represents a member fund payment

Properties

The following are the properties of the class

- FundCode - string
- FundName - string
- Amount - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberStatistics

This class represents a member statistics

Properties

The following are the properties of the class

- MemberAge - double
- CareerAge - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberResume

This class represents a member resume

Properties

The following are the properties of the class

- Description - string
- Description2 - string
- Group - string
- ResumeType - string
- PeriodFrom - datetime
- PeriodTo - datetime
- Reference - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberFilter

This class represents a member filter

Properties

The following are the properties of the class

- AStatus - string
- Group - string
- Tag - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberOptions

This class represents a options when returning members

Properties

The following are the properties of the class

- IncludeCarrier - boolean
- IncludeSubGroups - Boolean
- IncludeMembership - Boolean
- IncludeEducation - Boolean
- IncludeApplications - Boolean
- IncludeFundPayments - Boolean
- FundPaymentDateFrom - datetime
- IncludeStatistics - Boolean
- IncludeResume - Boolean
- ExtraProperties - Array of string
- Filter - [TMemberFilter](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberFee

This class represents a member fee

Properties

The following are the properties of the class

- Member - [TMemberV2](#)
- Payer - [TPerson](#)
- ItemCode - string
- Amount - Double
- CreditCard - [TCreditCard](#)
- RateSplit - integer
- Saleperson - string
- ContactName - string
- DiscountPercent - double
- ReductionPayment - double
- DiscountValidUntil - datetime
- PaymentTerm - string
- PaymentMode - string
- Memo - string
- RateIntervalType - [TComboBox_ORMemberFeeRate](#)
- IntrestRate - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberFeeOptions

This class represents a member fee option

Properties

The following are the properties of the class

- MemberAction - [TActionMethod](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TApplyForMembership

This class represents a form to apply for membership

Properties

The following are the properties of the class

- Member - [TMemberV2](#)
- ApplyForTitle - Boolean
- Attachments - Array of [TAttachmentFile](#)
- ApplicationType - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberApplicationResult

This class represents a result from an application submission

Properties

The following are the properties of the class

- ApplicationNumber - integer
- ApplicationTypeDescription - string
- JobTitleApplicationNumber - integer
- JobTitleApplicationTypeDescription - string
- HasJobTitleApplication - Boolean
- ResultMessage - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TApplicationType

This class represents a application type

Properties

The following are the properties of the class

- ApplicationTypeName - string
- IsTitleApplication - boolean
- JobTitle - string
- Description - string
- DocumentNumber - integer

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberResumeType

This class represents a resume type

Properties

The following are the properties of the class

- Name - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberResumeGroup

This class represents a resume group

Properties

The following are the properties of the class

- Name - string
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TApplicationResult

This class represents an application result

Properties

The following are the properties of the class

- ApplicationNumber - integer
- ResultMessage - string
- TaxPercent - double
- NetAmount - double
- TaxAmount - double

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TFund

This class represents a fund

Properties

The following are the properties of the class

- FundCode -string
- Name -string
- FundSecondaryName - string
- FundType - string
- MembershipCompany - string
- CompanyID - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMembershipCompany

This class represents a membership company

Properties

The following are the properties of the class

- Code - string
- Number - string
- Name - string
- Funds - Array of [TFund](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TWorkPlace2

This class represents a work place

Properties

The following are the properties of the class

- WorkPlaceNumber - string
- WorkPlaceName - string
- Company - string
- CompanyName - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TTermDocument

This class represents one term in dk System

Properties

The following are the properties of the class

- TermId Integer, the id for the term, used when giving consent to the term
- TermDocumentFileName String, the name of the term file
- TermDocumentDescription String, a description for the term
- TermDocumentData Array of byte, the term document physical data

TSubscriptionOrderFilter

This class represents a filter to use when fetching subscription orders

Properties

The following are the properties of the class

- ItemCode - string
- Group - string
- Modified - DateTime
- ID - Integer
- Date - DateTime
- Customer - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

General Ledger Classes

- [TGeneralLedgerAccount](#)
- [TGeneralLedgerAccountGetOptions](#)
- [TGeneralLedgerOptions](#)
- [TGLJournalHead](#)
- [TGLJournalLine](#)

TGeneralLedgerAccount

This class represents ledger account

Properties

The following are the properties of the class

- Number - string
- Name - string
- Group - TComboBox_AccountType
- TaxCode - string
- ExtraProperties - array of [TExtraProperty](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TGeneralLedgerAccountGetOptions

This class represents ledger account

Properties

The following are the properties of the class

- Modified - datetime
- Number - string
- ExtraProperties - array of [TExtraProperty](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TGeneralLedgerOptions

This class represents options to use when creating a ledger journal

Properties

The following are the properties of the class

- PostJournal - boolean
- AutoGenerateVoucher - boolean

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TGLJournalHead

This class represents a ledger journal

Properties

The following are the properties of the class

- Code - string
- Description - string
- Period - string (Account Year)
- Lines - array of [TGLJournalLine](#)
- ExtraProperties - array of [TExtraProperty](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TGLJournalLine

This class represents a ledger journal line

Properties

The following are the properties of the class

- Date - datetime
- DueDate - datetime
- Voucher - string
- JournalType - [TComboBox_JournalLineType](#)
- Account - string
- Text - string
- Reference - string
- Amount - double
- CurrencyCode - string
- Dim1 - string
- ExtraProperties - array of [TExtraProperty](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Soap Headers

Possible authentications are

BasicSecurity

This class represents a authentication header for a username and password

Properties

The following are the properties of the class

- Username- String
- Password - String

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Security

This class represents a authentication header for a username and password and follows the [WSSE 2.0](#) guidelines

Properties

The following are the properties of the class

- UsernameToken - TUsernameToken

TUsernameToken

Properties

The following are the properties of the class

- Username - string
- Password - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TokenSecurity

This class represents a authentication header for a username and password

Properties

The following are the properties of the class

- Token- String
- AppID - String

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Vendor Classes

- [TVendor](#)
- [TVendorInvoice](#)
- [TVendorInvoiceLine](#)

TVendor

This class represents vendor/supplier

Properties

The following are the properties of the class

- Number - String
- Name - String
- SSNumber - String
- Address1 - String
- Address2 - String
- Address3 - String
- ZipCode - String
- City - String
- Phone - String
- PhoneLocal - String
- PhoneMobile - String
- PhoneFax - String
- CountryCode - String
- CountryName - String
- CountyCode - String
- Email - String
- Discount - Double
- PaymentType - String
- CurrencyCode - String
- NoVat - Boolean
- LedgerCode - String
- RecordCreated - DateTime
- RecordModified - DateTime
- RecordId - Integer

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TVendorInvoice

This class represents vendor/supplier Invoice

Properties

The following are the properties of the class

- ID - Integer
- Modified - DateTime
- Vendor - String
- VendorName - String
- InvoiceNumber - String
- InvoiceDate - DateTime
- ReceivedDate - DateTime
- DueDate - DateTime
- Voucher - String
- Text - String
- Reference - String
- InvoiceType - TComboBox_DebCred
- Amount - Double
- CurrencyCode - String
- Exchange - Double
- Lines - Array Of [TVendorInvoiceLine](#)
- Approval1 - TVendorInvoiceApproval
- Approval2 - TVendorInvoiceApproval
- Approval3 - TVendorInvoiceApproval
- ExtraProperties - Array of [TExtraProperty](#)
- HasAttachment - Boolean
- Origin - TComboBox_APInvoiceOrigin
- Dim1 - String
- Dim2 - String
- Description - string

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TVendorInvoiceLine

This class represents vendor/supplier Invoice

Properties

The following are the properties of the class

- Head - Integer
- Sequence - Integer
- Account - String
- Text - String
- Reference - String
- TaxPercent - Double
- Amount - Double
- LineType - TComboBox_InvoiceLineType
- Amount - Double
- Code - Array Of TComboBox_JournalLineCode
- ExtraProperties - Array of [TExtraProperty](#)
- Voucher - String
- Dim1 - String
- Dim2 - String

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Election classes

Classes used in Elections (IS: Kosningar)

TElectionAnswer

- HeadId : Integer
- SeqNum : Double
- AnswerType : Integer - See: [Election / answer types](#)
- StringAnswer : String
- BoolAnswer : Boolean
- FloatAnswer : Double
- IsBlankAnswer : Boolean - Only TRUE if voter answers blank. Additionally SeqNum should be returned as zero (0)

TElectionBallot

- RecordId : Integer
- Title : String
- Footer : String
- DateFrom : TXSDateTime
- DateTo : TXSDateTime
- Color : String
- Terms : String
- Instructions : String
- BallotType : Integer - see: [Ballot types](#)
- HasVoted : Boolean
- VotingDate : TXSDateTime
- CompanyId : String
- ElectionHeads : Array of [TElectionHead](#)

TElectionHead

- RecordId : Integer
- BallotId : Integer
- Title : String
- AnswerType : Integer - See: [Election / answer types](#)
- Required : Boolean - Is it possible to skip answering?
- Multiselect : Boolean - TRUE if you can select more then one answer. Number of selections are between MultiSelectMinCount and MultiSelectMaxCount
- MultiselectMinCount : Integer
- MultiselectMaxCount : Integer
- HasBlankVote : Boolean - Is it possible to return a blank vote? see: IsBlankAnswer in [TElectionAnswer](#)
- Footer : String
- Terms : String
- Instructions : String
- ElectionLines : Array of [TElectionLine](#)

TElectionLine

HeadId + SeqNum pair is a unique identifier for the Answer

- HeadId : Integer
- SeqNum : Double
- Answer : String

TVoterElection

- BallotID : Integer
- BallotTitle : String
- MemberHasVoted : Boolean

Functions

- General Ledger
- Projects
- Customers
- General
- Products / Items
- Purchase Order
- Records
- Sales
- Tokens
- Vendors
- Members
- Elections

General Ledger

- [CreateGeneralLedgerJournal](#)
- [GetGeneralLedgerAccounts](#)

CreateGeneralLedgerJournal

This function is used to create a journal in the general ledger

Parameters

Used to call the function

1. obj - [TGLJournalHead](#)
2. opt - [TGeneralLedgerOptions](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetGeneralLedgerAccounts

This function is used to retrieve ledger accounts

Parameters

Used to call the function

1. options - [TGeneralLedgerAccountGetOptions](#)

Returns

Returns the following

- array of [TGeneralLedgerAccount](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Projects

- AddToWorkJournal
- AddWorkItem
- AddWorkItems
- CreateJob
- DeleteJob
- DeleteWorkItem
- DeleteWorkItems
- GetJob
- GetJobs
- GetJobsEx
- GetWorkCostItems
- GetWorkItems
- UpdateJob
- UpdateWorkItem
- UpdateWorkItems

AddToWorkJournal

This function is used to add to an employee work journal

Parameters

Used to call the function

1. obj - [TWorkJournalLine](#)
2. JournalDateFrom - DateTime
3. JournalDateTo - DateTime

Returns

Returns the following

- [NONE](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

AddWorkItem

This function is used to add a work item

Parameters

Used to call the function

1. obj - [TWorkLine](#)
2. JournalDateFrom - DateTime
3. JournalDateTo - DateTime

Returns

Returns the following

- [TWorkLine](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

AddWorkItems

This function is used to add a work items

Parameters

Used to call the function

1. arr - Array of [TWorkLine](#)
2. JournalDateFrom - DateTime
3. JournalDateTo - DateTime

Returns

Returns the following

- Array of [TWorkLine](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateJob

This function is used to create a job

Parameters

Used to call the function

1. obj - [TJob](#)

Returns

Returns the following

- [TJob](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteJob

This function is used to update a job

Parameters

Used to call the function

1. jobID - string



JobID = TJob.Number that should be deleted

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteWorkItem

This function is used to delete work item

Parameters

Used to call the function

1. obj - [TWorkLine](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteWorkItems

This function is used to delete work items

Parameters

Used to call the function

1. obj - Array of [TWorkLine](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetJob

This function is used to get an instance of

Parameters

Used to call the function

1. JobID - string

Returns

Returns the following

- [TJob](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetJobs

This function is used to get an list of [TJob](#)

Parameters

Used to call the function

1. Lastmodified - DateTime

Returns

Returns the following

- Array of [TJob](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetJobsEx

This function is used to get an list of [TJob](#)

Parameters

Used to call the function

1. options - [TJobGetOptions](#)

Returns

Returns the following

- Array of [TJob](#)

Example in .NET C#

```
public List<TJob> GetProjects(DateTime modified)
{
    var dt = modified == DateTime.MinValue ? new DateTime(1899, 12, 30) : modified;
    List<TJob> list = new List<TJob>();
    bool doFetch = true;
    do
    {
        var entries = client.GetJobsEx(new TJobGetOptions() { Modified = dt, MaxRecords = 400 });
        list.AddRange(entries);
        if (entries.Count() == 0)
        {
            doFetch = false;
        }
        else
        {
            dt = entries[entries.Length - 1].Modified.AddMilliseconds(1);
        }
    } while (doFetch);

    return list;
}
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetWorkCostItems

This function is used to get work cost items

Parameters

Used to call the function

1. options - [TWorkOptions](#)

Returns

Returns the following

- Array of [TWorkJournalLine](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetWorkItems

This function is used to return work items

Parameters

Used to call the function

1. options - [TWorkOptions](#)

Returns

Returns the following

- Array of [TWorkLine](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateJob

This function is used to update a job

Parameters

Used to call the function

1. obj - [TJob](#)

Returns

Returns the following

- [TJob](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateWorkItem

This function is used to add a work item

Parameters

Used to call the function

1. obj - [TWorkLine](#)

Returns

Returns the following

- [TWorkLine](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateWorkItems

This function is used to update work items

Parameters

Used to call the function

1. obj - Array of [TWorkLine](#)

Returns

Returns the following

- Array of [TWorkLine](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Customers

- [Contact](#)
- [Item Receiver](#)
- [CreateCustomer](#)
- [CreateCustomers](#)
- [CustomerExists](#)
- [DeleteCustomer](#)
- [DeleteCustomers](#)
- [GetCustomer](#)
- [GetCustomers](#)
- [GetCustomersEx](#)
- [UpdateCustomer](#)
- [UpdateCustomers](#)
- [GetCustomersBySalesPerson](#)
- [NumberOfModifiedCustomers](#)
- [GetCustomerGroup](#)
- [GetCustomerBalance](#)
- [GetCustomerPaymentTerms](#)
- [GetCustomerPaymentModes](#)
- [GetPaymentModes](#)
- [GetPaymentTerms](#)
- [GetCustomerLedgerCodes](#)
- [CustomerCount](#)
- [UploadCustomerAttachment](#)

Contact

- [CreateContact](#)
- [DeleteContact](#)
- [UpdateContact](#)

CreateContact

This function creates a contact

Parameters

Used to call the function

1. obj - [TContact](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteContact

This function deletes a contact

Parameters

Used to call the function

1. obj - [TContact](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateContact

This function updates a contact

Parameters

Used to call the function

1. obj - [TContact](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Item Receiver

- [CreateItemReceiver](#)
- [DeleteItemReceiver](#)
- [UpdateItemReceiver](#)

CreateItemReceiver

This function creates a item receiver

Parameters

Used to call the function

1. obj - [TItemReceiver](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteItemReceiver

This function deletes a item receiver

Parameters

Used to call the function

1. obj - [TItemReceiver](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateItemReceiver

This function updates a item receiver

Parameters

Used to call the function

1. obj - [TItemReceiver](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateCustomer

This function creates a customer

Parameters

Used to call the function

1. obj - [TCustomer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateCustomers

This function creates a customers form an array

Parameters

Used to call the function

1. objArr - Array of [TCustomer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CustomerExists

This function checks if a customer exists in the system

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteCustomer

This function deletes a customer

Parameters

Used to call the function

1. obj - [TCustomer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteCustomers

This function deletes all customer in the array supplied

Parameters

Used to call the function

1. objArr - Array of [TCustomer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomer

This function fetches a single [TCustomer](#) from the system

Parameters

Used to call the function

1. number - string
2. opt - [TCustomerOptions](#)

Returns

Returns the following

- [TCustomer](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomers

This function fetches changed array of [TCustomer](#) from the system

Parameters

Used to call the function

1. Lastmodified - DateTime
2. opt - [TCustomerOptions](#)

Returns

Returns the following

- Array of [TCustomer](#)

Full Sync

To get all customers in batch use [GetCustomersEx](#) then use [GetCustomers](#) to get changes made after the initial sync

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomersEx

This function fetches chunks of [TCustomer](#) from the system

Parameters

Used to call the function

1. RecordId - Integer
2. NumberOfRecords - Integer
3. opt - [TCustomerOptions](#)

Returns

Returns the following

- Array of [TCustomer](#)

Example if Sync with process

```
public event FetchEventHandler OnFetch;
public List<TCustomer> GetCustomer(TCustomerOptions options , int max = -1)
{
    var numberofREcs = client.NumberOfModifiedCustomers(new DateTime(1900,1,1));
    var customer = client.GetCustomersEx(0, 100, options);
    List<TCustomer> resList = new List<TCustomer>(customer);
    if (null != OnFetch) OnFetch(this, customer.Count(), numberofREcs);
    while(customer.Length >= 100)
    {
        int resListLastRecordID = resList.Last().RecordID;
        customer = client.GetCustomersEx(resListLastRecordID + 1, 100, options);
        resList.AddRange(customer);
        if (null != OnFetch) OnFetch(this, resList.Count, numberofREcs);
        if((max != -1) && resList.Count > max)
        {
            break;
        }
    }
    return resList;
}
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateCustomer

This function updates a customer

Parameters

Used to call the function

1. obj - [TCustomer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateCustomers

This function updates all customer from an array

Parameters

Used to call the function

1. objArr - Array of [TCustomer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomersBySalesPerson

This function fetches array of [TCustomer](#) from the system that have a specific [TSalesPerson](#) assigned to them

Parameters

Used to call the function

1. SalesPerson - string

Returns

Returns the following

- Array of [TCustomer](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

NumberOfModifiedCustomers

This function fetches a estimated count of modified [TCustomer](#) from the system

Parameters

Used to call the function

1. LastModified - integer

Returns

Returns the following

- integer

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomerGroup

This function fetches customer groups

Parameters

Used to call the function

1. LastModified - integer

Returns

Returns the following

- Array of [TCustomer](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

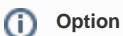
GetCustomerBalance

This function fetches the customer balance for one or all [TCustomer](#) that are not settled = 0

Parameters

Used to call the function

1. number - string



Option

If you pass an empty string for number balance for all customer will be returned

Returns

Returns the following

- Array of [TBalance](#)



This function is very useful if DisableTransactionLookup has been set as true when using functions like [GetCustomers](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomerPaymentTerms

This function fetches possible customer payment terms

Parameters

Used to call the function

1. NONE

Returns

Returns the following

- Array of [TCustomerPaymentTerm](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomerPaymentModes

This function fetches possible customer payment terms

Parameters

Used to call the function

1. NONE

Returns

Returns the following

- Array of [TCustomerPaymentMode](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetPaymentModes

This function fetches possible customer payment modes

Parameters

Used to call the function

1. NONE

Returns

Returns the following

- Array of [TPaymentMode](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetPaymentTerms

This function fetches possible customer payment terms

Parameters

Used to call the function

1. NONE

Returns

Returns the following

- Array of [TPaymentTerm](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomerLedgerCodes

This function fetches customer ledger codes

Parameters

Used to call the function

1. Modified - datetime

Returns

Returns the following

- Array of [TCustomerLedgerCode](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CustomerCount

This function returns the number of customers in the dkSystem

Parameters

Used to call the function

1. **NONE**

Returns

Returns the following

- integer

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UploadCustomerAttachment

This function uploads a file and attaches it to a [TCustomer](#)

Parameters

Used to call the function

1. CustomerNumber - string
2. att - [TAttachmentFile](#)

Returns

Returns the following

- **NONE**

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

General

- [Attachments](#)
- [Employee](#)
- [GetDim1](#)
- [GetDim2](#)
- [Registration](#)

Attachments

- [GetAttachment](#)
- [GetAttachmentImage](#)

GetAttachment

This function is used to retrieve a file that has been attached to for example [TCustomer](#) or [TItem](#)

Parameters

Used to call the function

1. AttachmentID - integer

Returns

Returns the following

- [Array of Byte](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetAttachmentImage

This function is used to retrieve an image that will be scaled to the proportion supplied to the function

Parameters

Used to call the function

1. ImageID - integer
2. MaxWidth - integer
3. MaxHeight - integer
4. format - [TImageFormat](#)

Returns

Returns the following

- [Array of Byte](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Employee

- [GetEmployee](#)
- [GetEmployees](#)
- [CreateEmployee](#)
- [UpdateEmployee](#)
- [DeleteEmployee](#)

GetEmployee

This function is used to retrieve a [TEmployee](#)

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- [TEmployee](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetEmployees

This function is used to retrieve a list of [TEmployee](#)

Parameters

Used to call the function

1. lastModified - DateTime

Returns

Returns the following

- Array of [TEmployee](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateEmployee

This function is used to create a [TEmployee](#)

Parameters

Used to call the function

1. obj - [TEmployee](#)

Returns

Returns the following

- [TEmployee](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateEmployee

This function is used to update a [TEmployee](#)

Parameters

Used to call the function

1. obj - [TEmployee](#)

Returns

Returns the following

- [TEmployee](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteEmployee

This function is used to delete a [TEmployee](#)

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- [NONE](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetDim1

This function is used to retrieve a dimensions

Parameters

Used to call the function

1. lastModified - datetime

Returns

Returns the following

- Array of [TDim1](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetDim2

This function is used to retrieve a dimensions2

Parameters

Used to call the function

1. lastModified - datetime

Returns

Returns the following

- Array of [TDim2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Registration

Function to call information obtained from the Icelandic Person Registration and Company Registration

- [GetRegistrations](#)
- [GetSSNRegistration](#)

GetRegistrations

This function is used to retrieve persons and/or companies entries registered in Iceland

Parameters

Used to call the function

1. options - [TRegistrationGetOptions](#)

Returns

Returns the following

- Array of [TRegistrationEntry](#)



This function only returns data if a contract with Þjóðskrá and/or RSK and a contract with dkVistun for update services for the information



Possible values for options.ExtraProperties

- FamilyNumber
- SortedName
- County
- Street
- House
- Floor
- Gender
- FamilyState
- ProhibitCode
- Citizenship
- PlaceOfBirth
- SpousePersIdNumber
- CurrentState
- ChurchCode
- ProfessionNumber
- TypeOfProfession

Example .NET C# - Full Sync

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Windows.Forms;
using WindowsFormsApplication3.dkWS;
namespace WindowsFormsApplication3
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        public void SyncNation()
        {
            IItemServiceservice service = new IItemServiceservice()
            {
                BasicSecurityValue = new BasicSecurity() { Username = "authorizeduser", Password =
"password" },
                {
                    var dt = new DateTime(1899, 12, 30);
                    List<TRegistrationEntry> list = new List<TRegistrationEntry>();
                    bool doFetch = true;
                    do
                    {
                        var entries = service.GetRegistrations(new dkWS.TRegistrationGetOptions() { Modified = dt,
MaxEntries = 400 });
                        list.AddRange(entries);
                        if (entries.Count() == 0)
                        {
                            doFetch = false;
                        }
                        else
                        {
                            dt = entries[entries.Length - 1].Modified.AddMilliseconds(1);
                        }
                    } while (doFetch);
                }
            }
        }
    }
}
```

 To get only changes after a full sync just pass the last Modified of the last entry fetched

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetSSNRegistration

This function is used to retrieve a person or company entry registered in Iceland

Parameters

Used to call the function

1. SSNumber - string

Returns

Returns the following

- [TRegistrationEntry](#)

 NOTE: do be able to retrieve this information a valid contract needs to be with "Þjóðskrá Ísland" for persons and RSK for companies and a contract with dkVistun for update services for the information
or a web lookup contact exists for company and dkVistun



If using contact for web lookup are used in dk **charges** are made for each request to this function

12kr for a Person Lookup
10kr for a Company lookup

Depending on the amount of requests it can be less expensive to use dkVistun Web Nation lookup but more expensive if requests go above 1000

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Products / Items

- [Barcode](#)
- [CreateInventorying](#)
- [CreateInventoryJournal](#)
- [CreateInventoryTransfer](#)
- [CreateItem](#)
- [GetAllQuantityInItemWarehouse](#)
- [GetCurrPrices](#)
- [GetItem](#)
- [GetItemCategories](#)
- [GetItemFromRecordID](#)
- [GetItemGroups](#)
- [GetItems](#)
- [GetItemsByGroup](#)
- [GetItemsByGroupRecordID](#)
- [GetItemsEx](#)
- [GetItemsFromSubCategory](#)
- [GetItemUnits](#)
- [GetItemWarehouse](#)
- [GetQuantityInItemWarehouse](#)
- [ItemExists](#)
- [NumberOfModifiedItems](#)
- [UpdateItem](#)
- [UpdateItems](#)

Barcode

- [CreateBarcode](#)
- [DeleteBarcode](#)
- [GetBarcodes](#)

CreateBarcode

This function creates a barcode for a [TItem](#)

Parameters

Used to call the function

1. obj - [TBarcode](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteBarcode

This function removes a barcode

Parameters

Used to call the function

1. obj - [TBarcode](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetBarcodes

This function returns barcodes

Parameters

Used to call the function

1. LastModified - date**Time**

Returns

Returns the following

- Array of [TBarcode](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateInventorying

This function creates a inventory journal for [TItem](#)'s

Parameters

Used to call the function

1. obj - [TInventorying](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateInventoryJournal

This function creates a inventory journal for [TItem](#)'s

Parameters

Used to call the function

1. obj - [TInventoryJournal](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateInventoryTransfer

This function creates a transfer of [TItem](#) between warehouses

Parameters

Used to call the function

1. obj - Array of [TInventoryTransfer](#)

Returns

Returns the following

- None

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateItem

This function creates a new product/item

Parameters

Used to call the function

1. obj - [TItem](#)

Returns

Returns the following

- [TItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetAllQuantityInItemWarehouse

This function returns quantity for items on a warehouse

Parameters

Used to call the function

1. LastModified - datetime
2. warehouse - string
3. OnlyGetWebshopItems - boolean

Returns

Returns the following

- Array of [TItemWarehouse](#)



NOTE : This information can also be obtained when fetching the [TItem](#) using for example [GetItem](#) enabling the [TItemOptions](#) `IncludeWarehouse`.

NOTE: Items in the warehouse that has zero (0) quantity are not returned.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCurrPrices

This function returns currency prices for a [TItem](#)

Parameters

Used to call the function

1. RecordID - integer

Returns

Returns the following

- Array of [TCurrencyPrice](#)



NOTE : this information can also be obtained when fetching the [TItem](#) using for example [GetItem](#) enabling the [TItemOptions](#) `IncludeCurrencyPrices`

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItem

This function is used to retrieve a single [TItem](#)

Parameters

Used to call the function

1. ItemCode- string
2. opt - [TItemOptions](#)

Returns

Returns the following

- [TItem](#)

 options is used to define additional information related to the item

 Additional Information

You request information that is not in the object it self by using opt.ExtraProperties

For example "WebCondition"

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemCategories

This function returns categories for a [TItem](#)

Parameters

Used to call the function

1. ItemCode - string

Returns

Returns the following

- Array of [TItemCategory](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemFromRecordID

This function is used to retrieve a single [TItem](#)

Parameters

Used to call the function

1. RecordID- Integer
2. opt - [TItemOptions](#)

Returns

Returns the following

- [TItem](#)



options is used to define additional information related to the item

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemGroups

This function returns groups that [TItem](#) can belong to.

Parameters

Used to call the function

1. Lastmodified- datetime

Returns

Returns the following

- Array of [TItemGroup](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItems

This function is used to retrieve a list of [TItem](#)

Parameters

Used to call the function

1. LastModified - `dateTime`
2. opt - [TItemOptions](#)

Returns

Returns the following

- Array of [TItem](#)



options is used to define additional information related to the item

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemsByGroup

This function returns all [TItem](#) that are associated with the supplied group.

Parameters

Used to call the function

1. GroupID - string

Returns

Returns the following

- Array of [TItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemsByGroupRecordID

This function returns all [TItem](#) that are associated with the supplied group.

Parameters

Used to call the function

1. GroupRecordID - integer

Returns

Returns the following

- Array of [TItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemsEx

This function is used to retrieve a list of [TItem](#) in chunks
All products have a Recordid that is an auto increment key that starts with the value 1 and over time as more and more items get added and removed from the system
we can get all items using this ID

Parameters

Used to call the function

1. RecordID - Integer
2. NumberOfRecords - Integer
3. opt - [TItemOptions](#)

Returns

Returns the following

- Array of [TItem](#)



options is used to define additional information related to the item

Code Examples

Example #1

```
IIItemServiceservice service = new
IIItemServiceservice()
{
    BasicSecurityValue = new
BasicSecurity() { Username = "ws.dev", Password
= "Code2make" }
    ;
    TItemOptions options = new
TItemOptions() { };
    List<TItem> list = service.GetItemsEx
(0, 300, options).ToList();
    List<TItem> result = new
List<TItem>();
    result.AddRange(list);
    while (list.Count == 300)
    {
        list = service.GetItemsEx(list
[list.Count - 1].RecordId + 1, 300, options).
ToList();
        result.AddRange(list);
    }
    tItemBindingSource.DataSource =
result;
```

Videos

Your browser does not support the HTML5 video element

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemsFromSubCategory

This function returns a list of [TItem](#) that belong to a category

Parameters

Used to call the function

1. lastModified - DateTime
2. GroupID - string
3. SubGroup - string

Returns

Returns the following

- Array of [TItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemUnits

This function returns units.

Parameters

Used to call the function

1. Lastmodified- datetime

Returns

Returns the following

- Array of [TItemUnit](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemWarehouse

This function returns warehouses for a [TItem](#)

Parameters

Used to call the function

1. ItemCode - string

Returns

Returns the following

- Array of [TWharehouseItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetQuantityInItemWarehouse

This function returns the quantity in stock in a warehouse for a [TItem](#)

Parameters

Used to call the function

1. ItemCode - [string](#)
2. Warehouse - [string](#)

Returns

Returns the following

- [double](#)



NOTE : this information can also be obtained when fetching the [TItem](#) using for example [GetItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

ItemExists

This function checks if a product/item exists in the system

Parameters

Used to call the function

1. itemCode- [string](#)

Returns

Returns the following

- [Boolean](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

NumberOfModifiedItems

This function returns the number of [TItem](#) that have changed.

Parameters

Used to call the function

1. Lastmodified- datetime
2. opt - [TItemOptions](#)

Returns

Returns the following

- Int

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateItem

This function updates a product

Parameters

Used to call the function

1. obj - [TItem](#)

Returns

Returns the following

- [TItem](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateItems

This function updates products

Parameters

Used to call the function

1. objArr - Array of [TItem](#)

Returns

Returns the following

- [None](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Purchase Order

 This is for the dk Purchase Order Module
If the intent is to create a order in the sales module using [CreateOrder](#)

- [CreatePurchaseOrder](#)
- [DeletePurchaseOrder](#)
- [DeletePurchaseOrderLine](#)
- [GetPurchaseOrder](#)
- [GetPurchaseOrderByNumber](#)
- [GetPurchaseOrderFromReference](#)
- [GetPurchaseOrders](#)
- [UpdatePurchaseOrder](#)
- [UpdatePurchaseOrderLine](#)

CreatePurchaseOrder

This function creates a purchase order in the Purchase Order Module

Parameters

Used to call the function

1. pArray - Array of [TPurchaseOrder](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeletePurchaseOrder

This function deletes a purchase order

Parameters

Used to call the function

1. OrderID - integer

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeletePurchaseOrderLine

This function updates a purchase order line

Parameters

Used to call the function

1. orderLine - [TPurchaseOrderLine](#)

Returns

Returns the following

- [NONE](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetPurchaseOrder

This function gets a purchase order

Parameters

Used to call the function

1. RecordID - integer
2. options - [TPurchaseOptions](#)

Returns

Returns the following

- [TPurchaseOrder](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetPurchaseOrderByNumber

This function gets a purchase order

Parameters

Used to call the function

1. PONumber - string
2. options - [TPurchaseOptions](#)

Returns

Returns the following

- [TPurchaseOrder](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetPurchaseOrderFromReference

This function gets a purchase order

Parameters

Used to call the function

1. reference - string
2. options - [TPurchaseOptions](#)

Returns

Returns the following

- [TPurchaseOrder](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetPurchaseOrders

This function gets a list of purchase order

Parameters

Used to call the function

1. lastModified - DateTime
2. options - [TPurchaseOptions](#)

Returns

Returns the following

- Array of [TPurchaseOrder](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdatePurchaseOrder

This function updates a purchase order

Parameters

Used to call the function

1. order - [TPurchaseOrder](#)

Returns

Returns the following

- [NONE](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdatePurchaseOrderLine

This function updates a purchase order line

Parameters

Used to call the function

1. orderLine - [TPurchaseOrderLine](#)

Returns

Returns the following

- [NONE](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Records

- [GetRecords](#)
- [GetRecordsEx](#)
- [GetRecordFieldList](#)
- [GetHasRecordChanges](#)
- [GetDeleted](#)

GetRecords

This function is used to return a list of [TRecord](#) from a table in the system

Parameters

Used to call the function

1. LastModified - DateTime
2. TableName - string
3. opt - [TRecordOptions](#)

Returns

Returns the following

- Array of [TRecord](#)

Get Records from Job table

```
IItemServiceservice recService = new dkWS.IItemServiceservice() { TokenSecurityValue = new TokenSecurity() { Token = token.Token, AppID = token.AppID } };
var recs = recService.GetRecords(new DateTime(2016, 10, 21, 11, 22, 01, 0), "pjjob", new TRecordOptions()
{ ExtraProperties = new string[] {"RecordID", "Number", "Name", "RecordModified"}, MaxRecords = 100,
UseXMLDateTime = true});
```

Sync Example

```
public List<TRecord> GetRecords(DateTime modified, string table , string[] fields)
{
    List<string> dkField = fields.ToList();

    string modfield = dkField.SingleOrDefault(x => x.ToLower() == "recordmodified");
    if (modfield == null)
        dkField.Add("RecordModified");

    List<TRecord> result = new List<TRecord>();
    TRecordOptions options = new TRecordOptions() { ExtraProperties = dkField.ToArray(),
MaxRecords = 100, UseXMLDateTime = true, SkipEmptyValues = true };
    List<TRecord> queryList = client.GetRecords(modified, table, options).ToList();
    result.AddRange(queryList);
    while (queryList.Count() > 80)
    {
        string iDateTime = queryList.Last().Fields.Single(x => x.Name.ToLower() ==
"recordmodified").Value;
        DateTime d2 = DateTime.Parse(iDateTime, null, System.Globalization.DateTimeStyles.
RoundtripKind);
        queryList = client.GetRecords(d2.AddMilliseconds(1), table, options).ToList();
    }
    return result;
}
```



The name of the modified date in all tables is RecordModified



to start at the table beginning you can set the LastModified as 1.1.1900
to resume and get changed/new [TRecord](#) pass the lastmodified date of the last [TRecord](#) of a table you received



Useful function with this one

[GetHasRecordChanges](#) is a very useful function if you are getting records from multiple tables to get information if you need to fetch any added or changed records



A good practise for the lastModified if sending the highest RecordModified +1ms from the table you are going to sync from

instead of storing your local DateTime to minimize the risk of offsets

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetRecordsEx

This function is used to return chunks [TRecord](#) from a table and is very useful to do a full read of a table
The same can be accomplished using [GetRecords](#) passing the date and time to enumerate through the table.

Parameters

Used to call the function

1. TableName - string
2. RecordID - Integer
3. NumberOfRecords - Integer
4. opt - [TRecordOptions](#)

Returns

Returns the following

- Array of [TRecord](#)

In this example we start by getting the first chunk from the table
then we take the RecordID of the last record returned and pass it in again until we finish enumerating through the table

Get Records from Job table

```
IItemServiceservice recService = new dkWS.IIItemServiceservice() { TokenSecurityValue = new TokenSecurity()  
{ Token = token.Token, AppID = token.AppID } };  
var jOpt = new TRecordOptions() { ExtraProperties = new string[] { "RecordID", "Number", "Name",  
"RecordModified" }, MaxRecords = 100, UseXMLDateTime = true };  
var recs = recService.GetRecordEX("pjjob", 0, 100, jOpt);  
List<TRecord> list = new List<TRecord>();  
list.AddRange(recs);  
while(recs.Count() > 80)  
{  
    var iLast = Convert.ToInt32(recs[recs.Count() - 1].Fields.SingleOrDefault(x => x.Name.ToLower() ==  
"recordid").Value);  
    recs = recService.GetRecordEX("pjjob", iLast, 100, jOpt);  
}
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetRecordFieldList

This function is used to return a list of possible fields for a given table

Parameters

Used to call the function

1. TableName - string

Returns

This function returns the following

- array of strings
each sting represents a field name in the table

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetHasRecordChanges

This function takes in a list of table along with a date that represents when last checked for(LastModified)

Parameters

Used to call the function

- arr - Array of [TQueryNeedSync](#)

Returns

the following is return by the function

- Array of [TSyncNeeded](#)

Get if needed example

```
IIItemServiceservice service = new IIItemServiceservice() { BasicSecurityValue = new BasicSecurity() { Username = "ws.demo", Password = "password" } };
var statArray = service.GetHasRecordChanges(new TQueryNeedSync[] {
    new TQueryNeedSync() {
        TableName = "GLTRANS",
        LastModified = new DateTime(2017,4,1,22,0,4,200)
    },
    new TQueryNeedSync() {
        TableName = "INTRANS",
        LastModified = new DateTime(2017,4,1,21,0,7,454)
    },
    new TQueryNeedSync() {
        TableName = "ARTRANS",
        LastModified = new DateTime(2017,4,1,21,0,5,489)
    }
});
if(statArray.Single(x => x.TableName == "GLTRANS").HasChanged)
{
    //DO SOME SYNC MAGIC like with GetRecords http://confluence.dkvistun.is:8090/display/DEV
/GetRecords
    service.GetRecords(new DateTime(2017, 4, 1, 22, 0, 4, 200), "GLTRANS", new TRecordOptions()
{ UseXMLDateTime = true, ExtraProperties = new string[] { "RecordID", "Code", "Account" }, MaxRecords = 250, SkipEmptyValues = true });
}
```



Using this function will result in much less calls needed to keep data between system more up to date with less need to check for each table

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetDeleted

This function is used to return a list of [TDeletedRecord](#) from a table in the system

Parameters

Used to call the function

1. TableName - string
2. deletedAfter - DateTime
3. opt - [TDeletedOptions](#)

Returns

Returns the following

- Array of [TDeletedRecord](#)

Get Records from Job table

```
IItemServiceservice recService = new dkWS.IItemServiceservice() { TokenSecurityValue = new TokenSecurity() { Token = token.Token, AppID = token.AppID } };
var recs = recService.GetDeleted("pjjob",new DateTime(2018, 1, 1, 11, 22, 01, 0), new TDeleteOptions() {
ExtraProperties = new string[] {"Number","Name"}});
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Sales

- Invoices
- Orders
- Quotes
- Sales Person
- Subscription

Invoices

- [CreateInvoice](#)
- [CreateInvoices](#)
- [DeleteInvoiceFromReference](#)
- [DeleteUnPostedInvoice](#)
- [GetCustomerItemDiscounts](#)
- [GetInvoice](#)
- [GetInvoiceByReference](#)
- [GetInvoices](#)
- [GetInvoicesChunk](#)
- [GetInvoicesEx](#)
- [GetInvoicesModified](#)
- [GetUnPostedInvoices](#)

CreateInvoice

This function creates an Invoice

Parameters

Used to call the function

1. invoice - [TInvoice](#)
2. doPost - boolean

Returns

Returns the following

- integer



if **doPost** is set as false the invoice has not been booked and will not get a invoice number and the function return 0

```

IItemServiceservice service = new IItemServiceservice()
{
    BasicSecurityValue = new BasicSecurity() { Username = "ws.demo", Password = "1234" },
};

var invoice = new TInvoice()
{
    SalePerson = "WEB",
    InvoiceDate = DateTime.Now,
    CurrencyCode = "ISK",
    Options = new TInvoiceOptions()
    {
        Customer = TActionMethod._ActionInsertMerge //If customer already exists merge
information sent to the existing customer
    },
    Customer = new TCustomer() {
        Number = "EXT-ID-223",
        Name = "Sr. Nikolas Cage",
        Address1 = "Hollywood 98210",
        ZipCode = "124-588",
        CountryCode = "USA",
        Gender = TGender._consMale,
        Email = "cage@hollywood"
    },
    Lines = new TInvoiceLine[]
    {
        new TInvoiceLine()
        {
            ItemCode = "A12345",
            Quantity = 5,
            UnitPriceWithTax = 10000,
            Text = "Double Size room",
            Text2 = "NOTE: Vegan",
            TotalAmountWithTax = 50000
        },
        new TInvoiceLine()
        {
            ItemCode = "A12345_EX",
            Quantity = 5,
            UnitPriceWithTax = 7000,
            Text = "Special Cage",
            Text2 = "NOTE: Sanitized",
            TotalAmountWithTax = 35000
        }
    },
    Payments = new TPayment[]
    {
        new TPayment()
        {
            PaymentTypeId = 10,
            Amount = 85000
        }
    }
};
service.CreateInvoice(invoice, true);

```

Related articles

- [GetAllQuantityInWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateInvoices

This function creates an Invoices from all [TInvoice](#) supplied in the array

Parameters

Used to call the function

1. arr - Array of [TInvoice](#)
2. doPost - boolean

Returns

Returns the following

- NONE



if **doPost** is set as false the invoice has not been booked and will not get a invoice number and the function return 0

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteInvoiceFromReference

This function deletes an invoice

Parameters

Used to call the function

1. rid - string
2. Warehouse - string

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteUnPostedInvoice

This function deletes an un-posted Invoice

Parameters

Used to call the function

1. RecordID- Integer

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetCustomerItemDiscounts

This function is used to return a [TInvoice](#) that has all the calculated prices based on discount rules defined in the dkSystem

Example of rules that do apply are

- special offers
- [TItem](#) discount
- [TCustomer](#) discount
- Contract prices
- Quantity based pricing
- Others....

Parameters

Used to call the function

1. inv - [TInvoice](#)

Returns

Returns the following

- [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetInvoice

This function fetches a single invoice from the system

Parameters

Used to call the function

1. CustomerNumber - string
2. InvoiceNumber - string
3. opt - [TInvoiceGetOptions](#)

Returns

Returns the following

- [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetInvoiceByReference

This function fetches a single invoice from the system

Parameters

Used to call the function

1. reference - string
2. opt - [TInvoiceGetOptions](#)

Returns

Returns the following

- [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetInvoices

This function fetches posted invoices from the system

Parameters

Used to call the function

1. customerNumber - string
2. numberofInvoices - Integer
3. opt - [TInvoiceGetOptions](#)

Returns

Returns the following

- Array of [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetInvoicesChunk

This function fetches invoices in chunks from the system

Parameters

Used to call the function

1. RecordId - integer
2. numberofRecords - Integer
3. opt - [TInvoiceGetOptions](#)

Returns

Returns the following

- Array of [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetInvoicesEx

This function fetches invoices from the system

Parameters

Used to call the function

1. DateFrom - DateTime
2. DateTo - DateTime
3. LookupTransactions - boolean

Returns

Returns the following

- Array of [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetInvoicesModified

This function fetches a single invoice from the system

Parameters

Used to call the function

1. lastModified - DateTime
2. opt - [TInvoiceGetOptions](#)

Returns

Returns the following

- Array of [TInvoice](#)

Example fetching Invoices created changed from 1.1.2016

```
TInvoiceGetOptions iOptions = new dkWS.TInvoiceGetOptions() { ExcludeLines = true, ExcludeObject = true,
MaxInvoices = 50, ExtraProperties = new string[] {"recordmodified"} };
var invoices = serv.GetInvoicesModified(new DateTime(2016, 1, 1), iOptions);
var invList = new List<TInvoice>();
invList.AddRange(invoices);
while(invoices.Count() > 40)
{
    invoices = serv.GetInvoicesModified(DateTime.Parse(invoices[invoices.Count() - 1].ExtraProperties[0].
Value), iOptions);
    invList.AddRange(invoices);
}
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetUnPostedInvoices

This function fetches invoices from the system

Parameters

Used to call the function

1. CustomerNumber - string

Returns

Returns the following

- Array of [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Orders

- [AddToOrder](#)
- [CreateOrder](#)
- [DeleteOrder](#)
- [GetOrder](#)
- [GetOrders](#)
- [RemoveFromOrder](#)
- [UpdateOrder](#)
- [UpdateOrderLine](#)

AddToOrder

This function adds a line to a order

Parameters

Used to call the function

1. OrderID - Integer
2. orderLine - [TOrderLine](#)

Returns

Returns the following

- Integer

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateOrder

This function creates an order

Parameters

Used to call the function

1. Order - [TOrder](#)

Returns

Returns the following

- integer

Create Order Example

```
public void CreateOrder()
{
    IIItemServiceservice service = new IIItemServiceservice() { BasicSecurityValue = new
BasicSecurity() { Username = "ws.demo", Password = "password" } };
    var order = new TOrder()
    {
        SalePerson = "2",
        OrderDate = DateTime.Now,
        Customer = new TCustomer() { Number = "test", Name = "Test Customer", Address1 = "Some
Address" },
        Options = new TOrderOptions() { Customer = TActionMethod.
_ActionInsertMerge },
        ReferenceNumber = "WEB-AB45EF",
        Text1 = "Example comment from customer",
        Lines = new TOrderLine[]
        {
            new TOrderLine()
            {
                ItemCode = "2005",
                Quantity = 1,
                UnitPriceWithTax = 1000,
                DiscountPercent = 20
            }
        },
    };
    service.CreateOrder(order);
}
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

DeleteOrder

This function deletes a order

Parameters

Used to call the function

1. OrderID - Integer
2. CustomerNumber - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetOrder

This function fetches an order

Parameters

Used to call the function

1. OrderID - Integer
2. CustomerNumber - string

Returns

Returns the following

- [TOder](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetOrders

This function fetches orders for a customer

Parameters

Used to call the function

1. CustomerNumber - string

Returns

Returns the following

- Array of [TOrder](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

RemoveFromOrder

This function removes a line from a order

Parameters

Used to call the function

1. OrderID - Integer
2. orderLine - [TOrderLine](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateOrder

This function updates an order

Parameters

Used to call the function

1. obj - [TOrder](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateOrderLine

This function updates a line in a order

Parameters

Used to call the function

1. OrderID - Integer
2. orderLine - [TOrderLine](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Quotes

- [DeleteQuote](#)
- [GetQuote](#)
- [GetQuotes](#)
- [GetQuotesByDate](#)
- [GetQuotesInChunks](#)

DeleteQuote

This function deletes a single quote

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- [NONE](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetQuote

This function fetches a single quote

Parameters

Used to call the function

1. CustomerNumber - string
2. Number - Integer
3. opt - [TQuoteGetOptions](#)

Returns

Returns the following

- [TQuote](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetQuotes

This function fetches quotes for a customer

Parameters

Used to call the function

1. CustomerNumber - string
2. Count - Integer
3. opt - [TQuoteGetOptions](#)

Returns

Returns the following

- Array of [TQuote](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetQuotesByDate

This function fetches a range of quotes

Parameters

Used to call the function

1. DateFrom - DateTime
2. DateTo - DateTime
3. opt - [TQuoteGetOptions](#)

Returns

Returns the following

- Array of [TQuote](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetQuotesInChunks

This function fetches quotes chunk

Parameters

Used to call the function

1. RecordId - integer
2. NumberOfRecords - Integer
3. opt - [TQuoteGetOptions](#)

Returns

Returns the following

- Array of [TQuote](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Sales Person

- [GetSalesPerson](#)
- [GetSalesPersons](#)
- [SalesPersonsExists](#)

GetSalesPerson

This function is used to retrieve a [TSalesPerson](#)

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- [TSalesPerson](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetSalesPersons

This function is used to retrieve a list of [TSalesPerson](#)

Parameters

Used to call the function

1. lastmodified - DateTime

Returns

Returns the following

- Array of [TSalesPerson](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

SalesPersonsExists

This function is used to check if a sales person exists

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Subscription

- [CreateSubscriptionOrder](#)
- [GetSubscriptionOrders](#)
- [UpdateSubscriptionOrder](#)
- [UpdateSubscriptionOrderLine](#)

CreateSubscriptionOrder

This function creates a subscription

Parameters

Used to call the function

1. obj - [TInvoice](#)

Returns

Returns the following

- integer

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetSubscriptionOrders

This function fetches a list of subscription

Parameters

Used to call the function

1. obj - [TSubscriptionOrderFilter](#)

Returns

Returns the following

- Array of [TInvoice](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateSubscriptionOrder

This function updates a subscription

Parameters

Used to call the function

1. obj - [TInvoice](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateSubscriptionOrderLine

This function updates a subscription line

Parameters

Used to call the function

1. SubscriptionID - integer
2. obj - [TInvoiceLine](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Tokens

- [CreateToken](#)
- [RefreshToken](#)
- [RemoveToken](#)

CreateToken

This function is used to create a [token](#) that is assigned to a user and company

Parameters

Supply the following

1. **UserName** - [string](#)
The id of the dk user that the [token](#) will be assigned to
2. **Password** - [string](#)
The password associated with the dk user
3. **Company** - [string](#)
The company id that the token will be linked to
4. **ApplID** - [string](#)
The application id that is assigned to the [token](#)

Returns

the function return the following

- **TToken**
this token should then be used to [authenticate](#) to the service for other calls



Note : Tokens only have the lifespan of 5 day's and need to be refreshed using the MasterToken

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

RefreshToken

This function is used to generate a new MasterToken that will be used to communicate with the service
the new MasterToken is the only token that can then be used to call the RefreshToken function

Parameters

Used to call the function

1. Token - [TToken](#)

Returns

Returns the following

- [TToken](#)



NOTE: Tokens are valid for 5 day's after that time the token will no longer be able to communicate with the service
with the exception of the MasterToken that can be used in this function only.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

RemoveToken

This function is used to remove a token that should no longer have access to the system

Parameters

Used to call the function

1. Token - [TToken](#)



NOTE: Once a MasterToken is removed for a specific user tokens for that user cannot be renewed and [CreateToken](#) needs to be called with the users username and password

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Vendors

- [CreateVendor](#)
- [CreateVendorInvoice](#)
- [GetItemVendors](#)
- [GetVendor](#)
- [GetVendors](#)
- [UpdateVendor](#)
- [UploadVendorInvoiceAttachment](#)
- [VendorExists](#)

CreateVendor

This function is used to create a new vendor in the system

Parameters

Used to call the function

1. obj - [TVendor](#)

Returns

Returns the following

- [TVendor](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateVendorInvoice

This function is used to create a new invoice from the Vendor in the system

Parameters

Used to call the function

1. obj - [TVendorInvoice](#)

Returns

Returns the following

- [TVendorInvoice](#)

Create Invoice Head

```
IIItemServiceservice service = new IIItemServiceservice();
service.BasicSecurityValue = new BasicSecurity() { Username = "ws.dev", Password = "Code2make"
};

var invoice = service.CreateVendorInvoice(new TVendorInvoice() {
    Amount = 1000,
    CurrencyCode = "ISK",
    InvoiceDate = DateTime.Now,
    InvoiceNumber = "SK-1234",
    Reference = "DK987",
    Vendor = "default",
    InvoiceType = TComboBox_DebCred._cbCredit
});
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetItemVendors

This function is used to retrieve [TVendor](#)'s that supply a [TItem](#)

Parameters

Used to call the function

1. ItemCode - string
2. OnlyGetWebShopItems - boolean

Returns

Returns the following

- Array of [TVendor](#)



NOTE : The use of Only webshop items is not recommended but should be filtered on the other end.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetVendor

This function is used to retrieve a single [TVendor](#)

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- [TVendor](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetVendors

This function is used to retrieve changed vendors from a specified date time

Parameters

Used to call the function

1. lastModified - DateTime

Returns

Returns the following

- Array of [TVendor](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateVendor

This function is used to update a single [TVendor](#)

Parameters

Used to call the function

1. obj - [TVendor](#)

Returns

Returns the following

- [TVendor](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UploadVendorInvoiceAttachment

This function is used to upload and attachment to and vendor invoice

Parameters

Used to call the function

1. id - Integer
2. [TAttachmentFile](#)

Returns

Returns the following

- NONE

Upload Attachment

```
IIItemServiceservice service = new IIItemServiceservice();
service.BasicSecurityValue = new BasicSecurity() { Username = "ws.dev", Password = "Code2make"
};

var invoice = new TVendorInvoice()
{
    Amount = 1000,
    CurrencyCode = "ISK",
    InvoiceDate = DateTime.Now,
    InvoiceNumber = "SK-1235",
    Reference = "DK985",
    Vendor = "default",
    InvoiceType = TComboBox_DebCred._cbCredit
};
string filename = "2017-05-25-F13F35C6-DE84-4E05-986B-D5F0FE4188DD.pdf";
service.UploadVendorInvoiceAttachment(invoice.ID, new TAttachmentFile() { Name = filename, Data
= System.IO.File.ReadAllBytes(@"C:\temp\"+ filename) });
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

VendorExists

This function is used to check if a vendor exists in the system

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

Members

- [Member Applications](#)
- [ApplyForMemberShip](#)
- [CreateMember](#)
- [CreateMemberFee](#)
- [GetApplicationGroupTypes](#)
- [GetMember](#)
- [GetMemberCarrerArray](#)
- [GetMemberEducationArray](#)
- [GetMemberFundsArray](#)
- [GetMemberGroups](#)
- [GetMemberJobTitleArray](#)
- [GetMemberMembershipArray](#)
- [GetMemberResumeArray](#)
- [GetMemberResumeGroups](#)
- [GetMemberResumeTypes](#)
- [GetMembers](#)
- [GetMembersEx](#)
- [GetMembersFromConditions](#)
- [GetMembersFromConditionsEx](#)
- [GetMembersMovementsByTypeAndDate](#)
- [GetMemberSubGroups](#)
- [GetMemberSubGroupsArray](#)
- [GetModifiedMembers](#)
- [isGovermentEmployee](#)
- [isMemberInGroup](#)
- [MemberActiveInVactionFund](#)
- [MemberExists](#)
- [NumberOfModifiedMembers](#)
- [UpdateMember](#)
- [UpdateMembers](#)
- [GetMembershipData](#)
- [GetAllMembershipCompanies](#)
- [GetWorkplaces](#)
- [GetAllWorkplaces](#)
- [GetTermsForCompany](#)
- [GetTermsForFund](#)
- [GetTermsForAllFunds](#)
- [GiveConsentForTerms](#)
- [GiveConsentForCompanyTerms](#)

Member Applications

- [GetMemberApplicationArray](#)
- [CreateApplication](#)
- [SendApplicationAttachment](#)
- [GetApplicationAttachmentInfo](#)
- [UpdateApplicationStatus](#)

GetMemberApplicationArray

This function is used to get member applications

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberApplication](#)



This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateApplication

This function is used to create a application for a member

Parameters

Used to call the function

1. Application - [TMemberApplication](#)

Returns

Returns the following

- [TApplicationResult](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

SendApplicationAttachment

This function is used to upload a file and attach to an application

Parameters

Used to call the function

1. fileData - array of byte
2. filename - string
3. membernumber - string
4. applicationNumber - integer

Returns

Returns the following

- **NONE**

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetApplicationAttachmentInfo

This function is used to get information regarding attachments for a application

Parameters

Used to call the function

1. fundCode - string
2. applicationnumber - integer

Returns

Returns the following

- Array of [TAttachmentFile](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateApplicationStatus

This function is used to update a application for a member

Parameters

Used to call the function

1. MemberNumber - string
2. FundCode - string
3. ApplicationNumber - integer
4. NewStatus - [TMemberApplicationStatus](#)

Returns

Returns the following

- **NONE**

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

ApplyForMemberShip

This function is used to apply for a membership

Parameters

Used to call the function

1. obj - [TMemberFee](#)
2. opt - [TMemberFeeOptions](#)

Returns

Returns the following

- [TMemberApplicationResult](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateMember

This function is used to create a new member in the system

Parameters

Used to call the function

1. obj - [TMemberV2](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

CreateMemberFee

This function is used to create a member feed entry

Parameters

Used to call the function

1. obj - [TMemberFee](#)
2. opt - [TMemberFeeOptions](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetApplicationGroupTypes

This function is used to get application group types

Parameters

Used to call the function

1. NONE

Returns

Returns the following

- Array of [TApplicationType](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMember

This function is used to retrieve a member from the system

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- [TMemberV2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberCarrerArray

This function is used to get member carrier

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberCarrier](#)



This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberEducationArray

This function is used to get member education

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberEducation](#)



This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberFundsArray

This function is used to get member funds

Parameters

Used to call the function

1. MemberNumner - string
2. Options - [TMemberOptions](#)

Returns

Returns the following

- Array of [TMemberFund](#)

 This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberGroups

This function is used to get group that a member belongs to

Parameters

Used to call the function

1. LastModified - datetime

Returns

Returns the following

- Array of [TMemberGroup](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberJobTitleArray

This function is used to get member job titles

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberJobTitle](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberMembershipArray

This function is used to get member membership

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberMembership](#)



This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberResumeArray

This function is used to get member resume

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberResume](#)



This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberResumeGroups

This function is used to get member resume groups

Parameters

Used to call the function

1. LastModified - datetime

Returns

Returns the following

- Array of [TMemberResumeGroup](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberResumeTypes

This function is used to get member resume types

Parameters

Used to call the function

1. LastModified - datetime

Returns

Returns the following

- Array of [TMemberResumeType](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMembers

This function is used to retrieve a members from the system

Parameters

Used to call the function

1. lastModified - datetime
2. MembOpt - [TMemberOptions](#)

Returns

Returns the following

- Array of [TMemberV2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMembersEx

This function is used to retrieve members from the system

Parameters

Used to call the function

1. RecordID - integer
2. NumberOfRecords - integer
3. MembOpt - [TMemberOptions](#)

Returns

Returns the following

- Array of [TMemberV2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMembersFromConditions

This function is used to retrieve a members from the system

Parameters

Used to call the function

1. MemberInfo - [TMemberInfo](#)

Returns

Returns the following

- Array of [TMemberV2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMembersFromConditionsEx

This function is used to retrieve a members from the system

Parameters

Used to call the function

1. MemberInfo - [TMemberInfo](#)
2. MembOpt - [TMemberOptions](#)

Returns

Returns the following

- Array of [TMemberV2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMembersMovementsByTypeAndDate

This function is used to get member movement

Parameters

Used to call the function

1. AType - string
2. ADate - datetime

Returns

Returns the following

- Array of [TMemberMovement](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberSubGroups

This function is used to get sub group that a member belongs to

Parameters

Used to call the function

1. LastModified - datetime

Returns

Returns the following

- Array of [TMemberSubGroup](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMemberSubGroupsArray

This function is used to get member Sub groups

Parameters

Used to call the function

1. MemberNumner - string

Returns

Returns the following

- Array of [TMemberSubGroup](#)



This information can also be retrieved when getting [TMemberV2](#) objects by setting the appropriate include options in [TMemberOptions](#) that is passed into functions such as [GetMember](#) , [GetMembers](#) etc.

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetModifiedMembers

This function is used to retrieve members from the system

Parameters

Used to call the function

1. RecordID - integer
2. NumberOfRecords - integer
3. Lastmodified - datetime
4. MembOpt - [TMemberOptions](#)

Returns

Returns the following

- Array of [TMemberV2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

isGovernmentEmployee

This function is used to check if a employee works for the government

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

isMemberInGroup

This function is used to check if a member is in a group

Parameters

Used to call the function

1. number - string
2. group - string
3. subgroup - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

MemberActiveInVactionFund

This function is used to check if a member is active in a vacation fund

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

MemberExists

This function is used to check if a member exists

Parameters

Used to call the function

1. number - string

Returns

Returns the following

- boolean

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

NumberOfModifiedMembers

This function is used to retrieve members from the system

Parameters

Used to call the function

1. Lastmodified - datetime

Returns

Returns the following

- integer

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateMember

This function is used to update member in the system

Parameters

Used to call the function

1. obj - [TMemberV2](#)

Returns

Returns the following

- NONE

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

UpdateMembers

This function is used to update members in the system

Parameters

Used to call the function

1. arrobject - Array of [TMemberV2](#)

Returns

Returns the following

- NONE

Update Name and Tag

```
IItemServiceservice service = new IItemServiceservice()
{
    BasicSecurityValue = new BasicSecurity() { Username = "ws.demo", Password = "1234" },
};

var member = client.GetMember("2", new dkWS.TMemberOptions() { });
member.Name = member.Name.ToUpper();
member.ExtraProperties = new dkWS.TExtraProperty[] {
    new dkWS.TExtraProperty()
    {
        Name = "Tag",
        Value = "dkUPD"
    }
};
client.UpdateMember(member);
```

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetMembershipData

This function is used to get data for a membership

Parameters

Used to call the function

1. MemberNumber - string

Returns

Returns the following

- Array of [TMembershipCompany](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetAllMembershipCompanies

This function is used to get membership companies

Parameters

Used to call the function

1. GetFunds - boolean
2. GetGrants - boolean

Returns

Returns the following

- Array of [TMembershipCompany](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetWorkplaces

This function is used to get workplaces for a company

Parameters

Used to call the function

1. Company - string

Returns

Returns the following

- Array of [TWorkPlace2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetAllWorkplaces

This function is used to get all workplaces

Parameters

Used to call the function

1. **NONE**

Returns

Returns the following

- Array of [TWorkPlace2](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)

GetTermsForCompany

This function is used to get the latest terms for the company.

For example, the member applying for any grants must give consent to the company terms.

Returns the following

- [TTermDocument](#)

GetTermsForFund

This function is used to get the latest terms for a specific fund

Parameters

Used to call the function

1. FundCode string, the code for the fund you want to get terms for

Returns

Returns the following

- [TTermDocument](#)

GetTermsForAllFunds

This function is used to get the latest terms for all funds

Returns the following

- Array of [TTermDocument](#)

GiveConsentForTerms

This function is used to send a consent for a specific term, in a specific fund, for a specific application and specific member

Parameters

Used to call the function

1. TermId integer, the id for the [TTermDocument](#) the member is giving consent to
2. FundCode string, the code for the fund the consent applies to
3. ApplicationNumber integer, the application number for the application the member is giving consent to
4. MemberNumber string, the member number

GiveConsentForCompanyTerms

This function is used to send a consent for a specific company terms

Parameters

Used to call the function

1. TermId integer, the id for the [TTermDocument](#) the member is giving consent to
2. MemberNumber string, the member number

Elections

GetElection

This function is used to retrieve a certain election

Parameters

Used to call the function

1. BallotNumber- String - see: [TElectionBallot](#)

Returns

Returns the following

- Array of [TElectionHead](#)

GetElectionLines

This function is used to retrieve lines/answers in a certain election

Parameters

Used to call the function

1. ElectionId- Integer - see: [TElectionHead](#)

Returns

Returns the following

- Array of [TElectionLine](#)

GetElections

This function is used to retrieve elections from the system

Parameters

Used to call the function

1. VoterType - Integer
Is the type CRMLTMember (11) - see: [Customer / member types](#)
2. Number - String
The member number see: [TMemberV2](#)

Returns

Returns the following

- Array of [TElectionBallot](#)

ReturnVotes

This function is used to return votes

Parameters

Used to call the function

1. VoterNumber- String- see: [TMemberV2](#)
2. VoterType : Integer - see: [Customer / member types](#)
3. BallotId : String
4. ArrVotes : Array of [TElectionAnswer](#)

Returns

Returns the following

- [TWSResult](#)

Additional information

VoterNumber and VoterType should be the same as used in retrieving Elections for said Member - see: [GetElections](#)

Enumerators

TActionMethod

This class represents a enum that defined how the object should be handled by the webservice

Values

The following are possible values of the enum

- `_ActionUse`
- `_ActionInsert`
- `_ActionEdit`
- `_ActionInsertEdit`
- `_ActionInsertMerge`
- `_ActionUseInsert`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_AccountType

This class represents a enum for a [TGeneralLedgerAccount](#)

Values

The following are possible values of the enum

- [_cbPostable](#)
- [_cbTitle](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TCombobox_ARCreditCardType

This class represents a enum a [TCreditCard](#)

Values

The following are possible values of the enum

- `_cbNoCreditCard`
- `_cbVisaCreditCard`
- `_cbEuroCreditCard`
- `_cbAmericanExpress`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_BSSClaimStatus

This class represents a enum a [TInvoice](#) claim status

Values

The following are possible values of the enum

- `_cbBSSNotOnClaim`
- `_cbBSSPartlyOnClaim`
- `_cbBSSAllOnClaim`
- `_cbBSSNotAllowedOnClaim`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_Group

This class represents a enum for a [TGeneralLedgerAccount](#)

Values

The following are possible values of the enum

- [_cbIncomeStatement](#)
- [_cbBalanceSheet](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_ItemClass

This class represents a enum a [TItem](#) product type

Values

The following are possible values of the enum

- `_cbStockItem`
- `_cbServiceItem`
- `_cbLaborItem`
- `_cbMachineItem`
- `_cbBOMItem`
- `_cbExtraFeeItem`
- `_cbHotelStayItem`
- `_cbHotelStayFeeItem`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_JournalLineType

This class represents a enum for a [TGLJournalLine](#)

Values

The following are possible values of the enum

- `_cbJLineGeneralLedger`
- `_cbJLineAccountsReceivable` (Customer)
- `_cbJLineAccountsPayable` (Vendor)
- `_cbJLineProjects`
- `_cbJLinePayroll`
- `_cbJLineFixedAssets`
- `_cbJLineMemberPayments`
- `_cbJLineBankTransaction`
- `_cbJLineSupporter`
- `_cbJLineBooking`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_ORMemberFeeRate

This class represents a enum a member fee rate

Values

The following are possible values of the enum

- `_cbORMemFeeRateOneOf`
- `_cbORMemFeeRateMonthly`
- `_cbORMemFeeRateYearly`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_PjJournalLineUnit

This class represents a enum a [TWorkJournalLine](#) drive unit

Values

The following are possible values of the enum

- [_cbKM](#)
- [_cbTrip](#)
- [_cbKMSpecial](#)
- [_cbKMOffRoad](#)

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_PrEmployeeStatus

This class represents a enum a employee status

Values

The following are possible values of the enum

- `_cbPrActive`
- `_cbPrInactive`
- `_cbPrQuit`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_SalesType

This class represents a enum a [TInvoice](#) sales type

Values

The following are possible values of the enum

- `_cbSOSalesOrder`
- `_cbSOBackOrder`
- `_cbSOQuotation`
- `_cbSORecurringOrder`
- `_cbSOPProject`
- `_cbSOdkPosInvoice`
- `_cbSODistribution`
- `_cbSOUndispatchedSalesOrder`
- `_cbSOPrescription`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_Settled

This class represents a enum a [TInvoice](#) settled

Values

The following are possible values of the enum

- `_cbNotSettled`
- `_cbPartlySettled`
- `_cbFullySettled`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TComboBox_SOOrigin

This class represents a enum a [TInvoice](#) origin

Values

The following are possible values of the enum

- `_cbOriginSalesOrder`
- `_cbOriginBackOrder`
- `_cbOriginQuotation`
- `_cbOriginRecurringOrder`
- `_cbOriginJob`
- `_cbOrigindkPosInvoice`
- `_cbOrigindkWebService`
- `_cbOriginSubscription`
- `_cbOriginHandComputers`
- `_cbOriginCabas`
- `_cbOriginBookingSystem`
- `_cbOriginDistribution`
- `_cbOriginMekoCat`
- `_cbOriginUndispatchedSalesOrder`
- `_cbOriginPrescription`
- `_cbInvoiceOriginUBLOrder`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TGender

This class represents a enum for gender

Values

The following are possible values of the enum

- `_consMale`
- `_consFemale`
- `_consGenderCompany`
- `_consNoGender`
- `_consNotExists`
- `_cbBoy`
- `_cbGirl`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TGrantType

This class represents a enum for grant type

Values

The following are possible values of the enum

- `_cbORGGeneralAmount`
- `_cbORGGeneralCount`
- `_cbORGraduateStudy`
- `_cbORSeminar`
- `_cbORStudyTour`
- `_cbORSchoolFees`
- `_cbORTTravelCost`
- `_cbORStudyHoliday`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TImageFormat

This class represents a enum for image format

Values

The following are possible values of the enum

- `_Jpeg`
- `_PNG`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberApplicationManagedBy

This class represents a enum for application manage

Values

The following are possible values of the enum

- `_cbOREmployee`
- `_cbORMeeting`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberApplicationStatus

This class represents a enum for application status

Values

The following are possible values of the enum

- `_cbORApInProgress`
- `_cbORApAccepted`
- `_cbORApRejected`
- `_cbORApExpired`
- `_cbORApPartlyPaid`
- `_cbORApFullyPaid`
- `_cbORApClosed`
- `_cbORApPayedToCompany`
- `_cbORApOnHold`
- `_cbORApInvalid`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberApplicationTypeOfPayment

This class represents a enum for application payment type

Values

The following are possible values of the enum

- `_cbORAPLineNormal`
- `_cbORAPLineCost`
- `_cbORAPLineAdvancePaid`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TMemberMembershipType

This class represents a enum for membership type

Values

The following are possible values of the enum

- `_cbORMemberShipTypeFull`
- `_cbORMemberShipTypePart`
- `_cbORMemberShipTypeNone`
- `_cbORMemberShipTypeInfo`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TSalesOrderType

This class represents a enum a [TInvoice](#) type

Values

The following are possible values of the enum

- `_sotDebetSale`
- `_sotCreditSale`
- `_sotReturnSale`
- `_sotAfrekningur`
- `_sotBakfaerdurAfreikningur`

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

TTimeClockStampType

This class represents a enum a time clock stamp type

Values

The following are possible values of the enum

- stInn
- stOut
- stUpdate

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Additional information

Customer / member types

Customer type	Value
CRMLGEPersonAll	-1
CRMLTProspects	0
CRMLTCustomers	1
CRMLTSupporter	2
CRMLTEmployees	3
CRMLTVendors	4
CRMLTWorkPlace	5
CRMLTPerson	6
CRMLTBeneficiary	7
CRMLTRelative	8
CRMLTWorkOrganisation	9
CRMLTSubscriptor	10
CRMLTMember	11
CRMLTItems	12
CRMLTCourses	13
CRMLTParticipants	14
CRMLTBooking	15
CRMLTProject	16
CRMLTARContacts	17
CRMLEMSupervisor	18
CRMLTMemberGrants	19
CRMLTMeetingMember	20
CRMLTJobRequest	21

Election

Additional information regarding elections

Ballot types

Types of ballots

Ballot type	Value	Icelandic type name
EIBallotElection	0	Kosning
EIBallotSurvey	1	Skoðanakönnun

Election / answer types

Possible types of elections and answers

Type	Value	Icelandic type name
EIBoolean	0	Beint val
EIRankFloat	1	Vegið val
EIString	2	Athugasemd
EIBooleanString	3	Skráð val
EIRatingFloat	4	Einkunnarval

EMHotelWebService

Hotel Classes

- [TDkHotelBookingRequest](#)

TDkHotelBookingRequest

This class represents a request for hotel booking

Properties

The following are the properties of the class

- Number - string
- Name - string
- Modified - datetime

Related articles

- [TDeletedRecord](#)
- [TDeletedOptions](#)
- [TRecordOptions](#)
- [TInvoiceLine](#)
- [TInvoice](#)

Hotel Functions

- [CreateHotelBooking](#)

CreateHotelBooking

This function is used to create a booking

Parameters

Used to call the function

1. bookingRequest - [TDkHotelBookingRequest](#)

Returns

Returns the following

- [TJob](#)

Related articles

- [GetAllQuantityInItemWarehouse](#)
- [UpdateMembers](#)
- [GetDeleted](#)
- [UploadVendorInvoiceAttachment](#)
- [CreateVendorInvoice](#)