

Produmex WMS WebAPI Functions

Overview

The **WMS WebAPI** enables users to extend functionality without deeper knowledge of the codebase or the database structure.

Expose WMS functionalities on a middle layer between Produmex objects and the applications using them. The value of this feature is making it possible to connect WMS with cloud platforms and the integration of third-party products like Kardex, Automated warehouse, Beas, etc.

Important:

It is recommended that the Produmex WMS WebAPI be managed by experienced consultants or programmers with advanced developer knowledge.

Functions

Authentication

- **/api/wms/authentication/login**
 - Log in to the Web API
- **/api/wms/authentication/logoutuser**
 - Log out from the Web API with login data
- **/api/wms/authentication/logouttoken**
 - Log out from the Web API with token

BeasIntegration

* **/api/wms/beasintegration/processbeasrequest**

- Process a Beas request to generate PickList for a WorkOrder/Assembly

CycleCount

* **/api/wms/cyclecount/directcyclecountstockrecord**

- Direct cycle count stock record

* **/api/wms/cyclecount/directcyclecountitemonlocation**

- Direct cycle count item on location

LogisticUnitID

- **/api/wms/logisticunitid/generatenewlogisticunitsscc**
 - Generates new logistic unit with ID and SSCC
- **/api/wms/logisticunitid/printluid**
 - Prints LUID

Move

- **/api/wms/move/changequalitystatus**
 - Changes quality status for inventory items
- **/api/wms/move/changequalitypartialstockline**
 - Changes quality status for partial stock of inventory line
- **/api/wms/move/changequalitypartialstocklinewithbasedoc**
 - Changes quality status for partial stock of inventory line with base doc
- **/api/wms/move/movefullluid**
 - Moves full LUIDs
- **/api/wms/move/movepartialstocklinewithbasedoc**
 - Moves partial stock line with base doc
- **/api/wms/move/movepartiallyluidtolocation**
 - Moves partial LUID to location
- **/api/wms/move/movepartiallyluidtolocationwithbasedoc**
 - Moves partial LUID to location with base doc
- **/api/wms/move/movepartialitemtolocation**
 - Moves partial item to location
- **/api/wms/move/movepartialitemtolocationwithbasedoc**
 - Moves partial item to location with base doc
- **/api/wms/move/movepartialitemtoluid**
 - Moves partial item to luid
- **/api/wms/move/makemovefrommoveorder**
 - Makes move from move order
- **/api/wms/move/makemovefrommoveorderline**
 - Makes move from move order line
- **/api/wms/move/makewarehousetransferfrommoveorder**
 - Enable warehouse to warehouse movements based on predefined move orders

MoveOrder

- **/api/wms/moveorder/closemoveorder**
 - Closes a move order
- **/api/wms/moveorder/closeallmoveorders**
 - Closes all move orders
- **/api/wms/moveorder/getmoveorderheaders**
 - Gets move order headers
- **/api/wms/moveorder/getmoveorderlines**
 - Gets move order lines
- **/api/wms/moveorder/createmoveorder**
 - Creates move order

Picklist

- **/api/wms/picklist/closepicklist**
 - Closes a picklist
- **/api/wms/picklist/closeallpicklists**
 - Closes all picklists
- **/api/wms/picklist/generatepicklist**
 - Generates picklist
- **/api/wms/picklist/generatepicklistwave**
 - Generates picklist wave
- **/api/wms/picklist/makepicklistready**
 - Make a picklist to 'Ready' status
- **/api/wms/picklist/setpicklistheaderinfo**
 - Set picklist header info
- **/api/wms/picklist/pickbypicklistline**
 - Pick by picklist line
- **/api/wms/picklist/pickbyitemcode**
 - Pick by item code
- **/api/wms/picklist/skip pickingbypicklistline**
 - Skip picking by picklist line
- **/api/wms/picklist/setpicklistlineinfo**
 - Set picklist line info
- **/api/wms/picklist/getpicklistheaderinfo**
 - Get picklist header info
- **/api/wms/picklist/getpicklistlineinfo**
 - Get picklist line info

PicklistProposal

- **/api/wms/picklistproposal/closepicklistproposal**
 - Closes a pickList proposal
- **/api/wms/picklistproposal/closeallpicklistproposals**
 - Closes all picklist proposals
- **/api/wms/picklistproposal/generatepicklistproposalsforsalesorders**
 - Generate picklist proposals for sales orders

ProductionOrder

- **/api/wms/productionorder/closeproductionorder**
 - Closes a production order
- **/api/wms/productionorder/closeallproductionorders**
 - Closes all production orders

PurchaseDeliveryNote

- **/api/wms/purchasedeliverynote/addpurchasedeliverynotelistoflogisticunits**
 - Adds purchase delivery note list of logistic units

PurchaseOrder

- **/api/wms/purchaseorder/closepurchaseorder**
 - Closes a purchase order
- **/api/wms/purchaseorder/closeallpurchaseorders**
 - Closes all purchase orders

SalesOrder

- **/api/wms/salesorder/closesalesorder**
 - Closes a sales order
- **/api/wms/salesorder/closeallsalesorders**
 - Closes all sales orders
- **/api/wms/salesorder/addsalesorder**
 - Adds sales order
- **/api/wms/salesorder/addorupdateinventorylocking**
 - Adds or updates inventory locking

StockTransferRequest

- **/api/wms/stocktransferrequest/closestocktransferrequest**
 - Closes a stock transfer request
- **/api/wms/stocktransferrequest/closeallstocktransferrequests**
 - Closes all stock transfer requests

WebAPI Functions in detail

The standard parameters are not listed in the detailed descriptions. Here is a description of them: The authentication functions have one standard parameter, the **Database**. In the case of all other functions, in addition to **Database**, the **Token** must also be specified as a standard parameter, the value of which is returned when the **Login** function is called.

There are functions that have no parameters other than the standard parameters (e.g.

GenerateNewLogisticUnitSccc , CloseAllMoveOrders...).

If it is not highlighted whether the properties of the parameter class are required or optional, then all of its properties are required. Unnecessary parameters can be omitted from the JSON structure or given NULL values.

Login

LoginParams:

```
{
  "UserName": "string",
  "Password": "string"
}
```

Response:

```
{ "Result": { "Token": "string" }, "ResultType": 0, "ErrorMessage": "string"
}
```

The returned Token value is required for every WebAPI call.

LogoutUser

LogoutUser

```
{
  "LoginData": {
    "UserName": "string",
    "Password": "string"
  }
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

LogoutToken

LogoutTokenParams:

```
{  
  "Token": "string"  
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

ProcessBeasRequest

ProcessBeasRequestParams:

```
{  
  "MsgType": "string",  
  "BeasDocEntry": 0  
}
```

Acceptable values for the **MsgType** property:

- "PLP"
- "PLP+PL"
- "PLP+PL+MR"

Response:

```
{  
  "Result": {  
    "Lines": [  
      {  
        "DocEntry": 0,  
        "LineNumber": 0,  
        "ItemCode": "string",  
        "Quantity": 0,  
        "RFID": 0,  
        "Info": "string"  
      }  
    ],  
    "TargetLocationCode": "string",  
    "ErrorMessage": "string",  
    "PickListProposalDocEntry": 0,  
    "PickListDocEntry": 0,  
  }  
}
```

```

    "IsPickListReady": true
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}

```

The “Info” field can have the following texts:

- PickList Proposal: **OK**
- PickList Proposal: **Error-code**

PickList Proposal error-code values:	Error-code meanings:
MSG_ERROR_REASON_PROPOSAL_ALREADY_ON_PROPOSAL	OK
MSG_ERROR_REASON_PROPOSAL_SHELF_LIFE	Shelf life is not okay
MSG_ERROR_REASON_PROPOSAL_QUALITY_STATUS	Quality status is not okay
MSG_ERROR_REASON_PROPOSAL_LOCATION_DISALLOWED	Storage location is disallowed
MSG_ERROR_REASON_PROPOSAL_BATCH_ATTRIBUTES	Batch attributes is not okay
MSG_ERROR_REASON_PROPOSAL_NO_FREE_STOCK	There is not enough free stock to fulfill the proposal
MSG_ERROR_REASON_PROPOSAL_PARTIAL_NOT_ALLOWED	Partial proposal not allowed

DirectCycleCountStockRecord

DirectCycleCountStockRecordParams:

```

{
  "ItemToCount": {
    "ItemCode": "string",
    "LocationCode": "string",
    "BestBeforeDate": "yyyy-mm-dd",
    "BatchNumber": "string",
    "SecondBatchNumber": "string",
    "CurrentStock": 0,
    "LogisticUnitIdentKey": 0,
    "CurrentStockUom2": 0,
    "ReasonInfo": {
      "ReasonCode": "string",
      "ReasonFreeText": "string",
      "ReasonLocationCode": "string"
    },
    "QualityStatusCode": "string",
    "ListOfSerialNumbers": [
      "string"
    ]
  }
}

```

Required properties: ItemCode, LocationCode, CurrentStock

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

Limitation:

- Serial numbers are not supported (the response is an error containing the message: **“Serial numbers are not supported.”**)
- Catch weight items:
 - Weight tolerance is not considered, possible to add weight outside the tolerance
 - Not possible to update the weight only

DirectCycleCountItemOnLocation

DirectCycleCountItemOnLocationParams:

```
{
  "LocationCode": "string",
  "ItemCode": "string",
  "ItemsToCount": [
    {
      "BestBeforeDate": "yyyy-mm-dd",
      "BatchNumber": "string",
      "SecondBatchNumber": "string",
      "CurrentStock": 0,
      "LogisticUnitIdentKey": 0,
      "CurrentStockUom2": 0,
      "ReasonInfo": {
        "ReasonCode": "string",
        "ReasonFreeText": "string",
        "ReasonLocationCode": "string"
      },
      "ListOfSerialNumbers": [
        "string"
      ]
    }
  ]
}
```

Required properties: ItemCode, LocationCode, CurrentStock

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

GenerateNewLogisticUnitSccc

Response:

```
{
  "Result": {
    "LogisticUnitID": {
      "ID": 0,
      "SSCC": "string"
    }
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

PrintLuid

PrintLUIDParams:

```
{
  "ReportKey": 0,
  "PrinterCode": "string",
  "LUID": 0,
  "NumberOfCopies": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

ChangeQualityStatus

changeQualityStatusParams:

```
{
  "InventoryKeyCollection": [
    0
  ],
  "NewQualityStatusCode": "string",
  "ReasonInfo": {
    "ReasonCode": "string",
    "ReasonFreeText": "string",
    "ReasonLocationCode": "string"
  }
}
```

Required properties: InventoryKeyCollection, NewQualityStatusCode

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

ChangeQualityPartialStockLine

ChangeQualityPartialStockLineParams:

```
{
  "InventoryKey": 0,
  "MoveItemInfoForChangeQualityPartialStockLine": {
    "Quantity": 0,
    "QuantityUom2": 0,
    "DestinationQualityStatus": "string",
    "ReasonInfo": {
      "ReasonCode": "string",
      "ReasonFreeText": "string",
      "ReasonLocationCode": "string"
    }
  }
}
```

Required properties: InventoryKey, Quantity, DestinationQualityStatus

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

ChangeQualityPartialStockLineWithBaseDoc

ChangeQualityPartialStockLineWithBaseDocParams:

```
{
  "InventoryKey": 0,
  "MoveItemInfoForChangeQualityPartialStockLineWithBaseDoc": {
    "BaseType": "string",
    "BaseEntry": 0,
    "BaseLine": 0,
    "Quantity": 0,
    "QuantityUom2": 0,
    "DestinationQualityStatus": "string",
    "ReasonInfo": {
      "ReasonCode": "string",
      "ReasonFreeText": "string",
      "ReasonLocationCode": "string"
    }
  },
}
```

```

    "BeasLockInternalKey": 0
  }

```

The required parameters from the above:

- InventoryKey (to identify one of the row of PMX_INVT table)
- Quantity (there may be decimal places)
- DestinationQualityStatus
 - Set of values: `SELECT "Code" FROM "PMX_QYST"`
 - Basic rules for the changes: `SELECT * FROM "PMX_QSTT"`
 - There may be additional restrictions regarding storage location
- BaseType
 - There are currently restrictions on the values that this field can take. From a BEAS perspective, these can be the following strings (can be expanded upon request):
 - 2147483000
 - wo
 - BEAS_MV
 - BEAS_QC
- BaseEntry
- BaseLine

Not required parameters:

- QuantityUom2 (there may be decimal places) (depending on settings it may be required)
- ReasonInfo (depending on settings it may be required)
- BeasLockInternalKey
 - this parameter allows to specify what should happen to the Beas reservation in case of movement or QualityStatusChange
 - Note on the relationship between the new parameter BeasLockInternalKey (nullable integer) and the given quantity:
 - **BeasLockInternalKey = null** (to move the free stock or the part of the free stock)
 - `1 ← Quantity ← Free_Stock_Qty`
 - **BeasLockInternalKey = 0** (to move ALL the Beas reservations and free stock)
 - `MAX(Sum_Beas_Lock_Qty, 1) ← Quantity ← Free_Stock_Qty + Sum_Beas_Lock_Qty`
 - **BeasLockInternalKey = INLD_InternalKey_i** (it identifies one of the row of PMX_INLD table)
 - `1 ← Quantity ← INLD_Beas_Locked_Qty_i`

MoveFullLuid

MoveFullLuidParams:

```

{
  "LUID": 0,
  "DestinationLocationCode": "string",
  "MoveItemInfosForMoveFullLuid": [
    {
      "ListOfSerialNumbers": [
        "string"
      ]
    }
  ]
}

```

```
    ],  
    "ItemCode": "string",  
    "ItemTransactionalInfoKey": 0  
  }  
]  
}
```

Required properties: LUID, DestinationLocationCode, ItemCode, ListOfSerialNumbers, ItemTransactionalInfoKey

Response:

```
{  
  "Result": {  
    "Document": {  
      "DocType": "string",  
      "DocEntry": 0,  
      "IsDraft": true  
    }  
  },  
  "ResultType": 0,  
  "ErrorMessage": "string"  
}
```

MovePartialStockLineWithBaseDoc

MovePartialStockLineWithBaseDocParams

```
{  
  "DestinationLocationCode": "string",  
  "InventoryKey": 0,  
  "MoveItemInfoForPartialStockLine": {  
    "Quantity": 0,  
    "QuantityUom2": 0,  
    "DestinationLogisticUnitIdentKey": 0,  
    "BaseType": "string",  
    "BaseEntry": 0,  
    "BaseLine": 0,  
    "NewSSCC": true  
  },  
  "BeasLockInternalKey": 0  
}
```

The required parameters from the above:

- InventoryKey (to identify one of the row of PMX_INVT table)
- Quantity (there may be decimal places)
- DestinationLocationCode
- BaseType

- There are currently restrictions on the values that this field can take. From a BEAS perspective, these can be the following strings (can be expanded upon request):
- 2147483000
- wo
- BEAS_MV
- BEAS_QC
- BaseEntry
- BaseLine

Not required parameters:

- QuantityUom2 (there may be decimal places) (depending on settings it may be required)
- NewSSCC
 - TRUE - generate new LUID/SSCC for the moved items
 - If not specified, the default value is: FALSE
- BeasLockInternalKey
 - this parameter allows to specify what should happen to the Beas reservation in case of movement or QualityStatusChange
 - Note on the relationship between the new parameter BeasLockInternalKey (nullable integer) and the given quantity:
 - **BeasLockInternalKey = null** (to move the free stock or the part of the free stock)
 - $1 \leftarrow \text{Quantity} \leftarrow \text{Free_Stock_Qty}$
 - **BeasLockInternalKey = 0** (to move ALL the Beas reservations and free stock)
 - $\text{MAX}(\text{Sum_Beas_Lock_Qty}, 1) \leftarrow \text{Quantity} \leftarrow \text{Free_Stock_Qty} + \text{Sum_Beas_Lock_Qty}$
 - **BeasLockInternalKey = INLD_InternalKey_i** (it identifies one of the row of PMX_INLD table)
 - $1 \leftarrow \text{Quantity} \leftarrow \text{INLD_Beas_Locked_Qty}_i$

Response:

```
{
  "Result": {
    "Document": {
      "DocType": "string",
      "DocEntry": 0,
      "IsDraft": true
    }
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

MovePartialLuidToLocation

MovePartialLuidToLocationParams:

```
{
  "DestinationLocationCode": "string",
  "MoveItemInfoForMovePartialLuidToLocation": {
```

```
    "ListOfSerialNumbers": [  
      "string"  
    ],  
    "ItemCode": "string",  
    "ItemTransactionalInfoKey": 0,  
    "Quantity": 0,  
    "SourceQualityStatusCode": "string",  
    "DestinationQualityStatusCode": "string",  
    "SourceLogisticUnitIdentKey": 0,  
    "NewSSCC": true,  
    "QuantityUom2": 0  
  }  
}
```

Required properties: DestinationLocationCode, Quantity, SourceLogisticUnitIdentKey

Response:

```
{  
  "Result": {  
    "Document": {  
      "DocType": "string",  
      "DocEntry": 0,  
      "IsDraft": true  
    }  
  },  
  "ResultType": 0,  
  "ErrorMessage": "string"  
}
```

MovePartialLuidToLocationWithBaseDoc

MovePartialLuidToLocationWithBaseDocParams:

```
{  
  "DestinationLocationCode": "string",  
  "MoveItemInfosForMovePartialLuidToLocationWithBaseDoc": {  
    "BaseType": "string",  
    "BaseEntry": 0,  
    "BaseLine": 0,  
    "ListOfSerialNumbers": [  
      "string"  
    ],  
    "ItemCode": "string",  
    "ItemTransactionalInfoKey": 0,  
    "Quantity": 0,  
    "SourceQualityStatusCode": "string",  
    "DestinationQualityStatusCode": "string",  
    "SourceLogisticUnitIdentKey": 0,  
  }  
}
```

```
    "NewSSCC": true,  
    "QuantityUom2": 0  
  }  
}
```

Required properties: DestinationLocationCode, Quantity, SourceLogisticUnitIdentKey

Response:

```
{  
  "Result": {  
    "Document": {  
      "DocType": "string",  
      "DocEntry": 0,  
      "IsDraft": true  
    }  
  },  
  "ResultType": 0,  
  "ErrorMessage": "string"  
}
```

MovePartialItemToLocation

MovePartialItemToLocationParams:

```
{  
  "DestinationLocationCode": "string",  
  "MoveItemInfoForMovePartialItemToLocation": {  
    "ListOfSerialNumbers": [  
      "string"  
    ],  
    "ItemCode": "string",  
    "ItemTransactionalInfoKey": 0,  
    "Quantity": 0,  
    "QuantityUom2": 0,  
    "SourceLocationCode": "string",  
    "SourceQualityStatusCode": "string",  
    "DestinationQualityStatusCode": "string",  
    "SourceLogisticUnitIdentKey": 0,  
    "NewSSCC": true  
  }  
}
```

Required properties: DestinationLocationCode, ItemCode, Quantity, SourceLocationCode

Response:

```
{  
  "Result": {  
    "Document": {
```

```
    "DocType": "string",
    "DocEntry": 0,
    "IsDraft": true
  }
},
"ResultType": 0,
"ErrorMessage": "string"
}
```

MovePartialItemToLocationWithBaseDoc

MovePartialItemToLocationWithBaseDocParams:

```
{
  "DestinationLocationCode": "string",
  "MoveItemInfoForMovePartialItemToLocationWithBaseDoc": {
    "BaseType": "string",
    "BaseEntry": 0,
    "BaseLine": 0,
    "ListOfSerialNumbers": [
      "string"
    ],
    "ItemCode": "string",
    "ItemTransactionalInfoKey": 0,
    "Quantity": 0,
    "QuantityUom2": 0,
    "SourceLocationCode": "string",
    "SourceQualityStatusCode": "string",
    "DestinationQualityStatusCode": "string",
    "SourceLogisticUnitIdentKey": 0,
    "NewSSCC": true
  }
}
```

Required properties: DestinationLocationCode, ItemCode, Quantity, SourceLocationCode

Response:

```
{
  "Result": {
    "Document": {
      "DocType": "string",
      "DocEntry": 0,
      "IsDraft": true
    }
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

MovePartialItemToLuid

MovePartialItemToLuidParams:

```
{
  "DestinationLogisticUnitIdentKey": 0,
  "MoveItemInfoForMovePartialItemToLuid": {
    "ListOfSerialNumbers": [
      "string"
    ],
    "ItemCode": "string",
    "ItemTransactionalInfoKey": 0,
    "Quantity": 0,
    "QuantityUom2": 0,
    "SourceLocationCode": "string",
    "SourceQualityStatusCode": "string",
    "DestinationQualityStatusCode": "string",
    "SourceLogisticUnitIdentKey": 0
  }
}
```

Required properties: DestinationLogisticUnitIdentKey, ItemCode, Quantity, QuantityUom2, SourceLocationCode

Response:

```
{
  "Result": {
    "Document": {
      "DocType": "string",
      "DocEntry": 0,
      "IsDraft": true
    }
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

MakeMoveFromMoveOrder

MakeMoveFromMoveOrderParams:

```
{
  "MoveOrderDocEntry": 0,
  "DestinationLUID": 0,
  "DestinationLocationCode": "string",
  "ReasonInfo": {
    "ReasonCode": "string",
    "ReasonFreeText": "string",
  }
}
```

```
    "ReasonLocationCode": "string"
  }
}
```

Required properties: MoveOrderDocEntry

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

MakeMoveFromMoveOrderLine

MakeMoveFromMoveOrderLineParams:

```
{
  "MoveOrderDocEntry": 0,
  "MoveOrderLineNum": 0,
  "Quantity": 0,
  "QuantityUom2": 0,
  "DestinationLUID": 0,
  "DestinationLocationCode": "string",
  "ReasonInfo": {
    "ReasonCode": "string",
    "ReasonFreeText": "string",
    "ReasonLocationCode": "string"
  }
}
```

Required properties: MoveOrderDocEntry, MoveOrderLineNum

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

MakeWarehouseTransferFromMoveOrder

MakeWarehouseTransferFromMoveOrder

```
Request:
{
  "MoveOrderDocEntry": 0,
  "DestinationLocationCode": "string",
  "DestinationLUID": 0,
  "ReasonInfo": {
    "ReasonCode": "string",
    "ReasonFreeText": "string",
    "ReasonLocationCode": "string"
  }
}
```

```
}
```

Response:

```
{
  "ResultType": 0,
  "ErrorMessage": "string"
}

MakeWarehouseTransferFromMoveOrderParams {
  MoveOrderDocEntry (integer),
  DestinationLocationCode (string, optional),
  DestinationLUID (integer, optional),
  ReasonInfo (ReasonInfo, optional)
}
ReasonInfo {
  ReasonCode (string),
  ReasonFreeText (string),
  ReasonLocationCode (string, optional)
```

CloseMoveOrder**CloseMoveOrderParams:**

```
{
  "DocEntry": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllMoveOrders**Response:**

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

GetMoveOrderHeaders**GetMoveOrderHeadersParams:**

```
{
  "MoveOrderFilter": {
    "DocEntry": 0,
    "MoveOrderStatus": "NothingMoved",
```

```
    "DueDate": "yyyy-mm-dd",
    "Priority": 0,
    "MoveOrderType": "Move",
    "MoveLogUnitIn1Time": "Invalid",
    "LockedBy": 0,
    "FromPmxWhsCode": "string",
    "ToPmxWhsCode": "string",
    "Remarks": "string",
    "DocStatus": "Open",
    "Canceled": true,
    "UserSign": 0
  },
  "Offset": 0,
  "Limit": 0
}
```

Required properties: The MoveOrderFilter itself is mandatory, but its properties are not.

Response:

```
{
  "Result": {
    "MoveOrders": [
      {
        "DocEntry": 0,
        "MoveOrderStatus": "NothingMoved",
        "DueDate": "yyyy-mm-dd",
        "Priority": 0,
        "MoveOrderType": "Move",
        "MoveLogUnitIn1Time": "Invalid",
        "LockedBy": 0,
        "FromPmxWhsCode": "string",
        "ToPmxWhsCode": "string",
        "Remarks": "string",
        "DocStatus": "Open",
        "Canceled": true,
        "UserSign": 0,
        "Version": "string"
      }
    ]
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

GetMoveOrderLines

GetMoveOrderLinesParams:

```
{
  "MoveOrderLineFilter": {
    "DocEntry": 0,
    "LineNum": 0,
    "MoveOrderLineStatus": "NothingMoved",
    "SourceLogisticUnitIdentKey": 0,
    "SourceMasterLogisticUnitIdentKey": 0,
    "DestinationLogisticUnitIdentKey": 0,
    "SourceStorageLocationCode": "string",
    "QualityStatusCode": "string",
    "DestinationStorageLocationCode": "string",
    "OpenQuantity": 0,
    "OpenQuantityUom2": 0,
    "ItemDescription": "string",
    "ItemTransactionalInfoKey": 0,
    "StockLevel": "Detail",
    "WaBoxCode": "string",
    "LineStatus": "Open",
    "BaseType": "string",
    "BaseEntry": 0,
    "BaseLine": 0,
    "ItemCode": "string",
    "Quantity": 0,
    "Uom": "string",
    "QuantityPerUom": 0,
    "Uom2": "string",
    "QuantityUom2": 0
  },
  "Offset": 0,
  "Limit": 0
}
```

Required properties: The MoveOrderLineFilter itself is mandatory, but its properties are not.

Response:

```
{
  "Result": {
    "MoveOrderLines": [
      {
        "DocEntry": 0,
        "LineNum": 0,
        "MoveOrderLineStatus": "NothingMoved",
        "SourceLogisticUnitIdentKey": 0,
        "SourceMasterLogisticUnitIdentKey": 0,
        "DestinationLogisticUnitIdentKey": 0,
        "SourceStorageLocationCode": "string",
        "QualityStatusCode": "string",
        "DestinationStorageLocationCode": "string",
        "OpenQuantity": 0,
        "OpenQuantityUom2": 0,

```

```
    "ItemDescription": "string",
    "ItemTransactionalInfoKey": 0,
    "StockLevel": "Detail",
    "WaBoxCode": "string",
    "LineStatus": "Open",
    "BaseType": "string",
    "BaseEntry": 0,
    "BaseLine": 0,
    "ItemCode": "string",
    "Quantity": 0,
    "Uom": "string",
    "QuantityPerUom": 0,
    "Uom2": "string",
    "QuantityUom2": 0,
    "Version": "string"
  }
]
},
"ResultType": 0,
"ErrorMessage": "string"
}
```

CreateMoveOrder

CreateMoveOrderParams:

```
{
  "Lines": [
    {
      "SourceLogisticUnitIdentKey": 0,
      "DestinationLogisticUnitIdentKey": 0,
      "SourceStorageLocationCode": "string",
      "QualityStatusCode": "string",
      "DestinationStorageLocationCode": "string",
      "ItemCode": "string",
      "Quantity": 0,
      "ListOfSerialNumbers": [
        "string"
      ],
      "BatchNumber": "string",
      "BatchNumber2": "string",
      "BestBeforeDate": "yyyy-mm-dd",
      "StockLevel": "Detail",
      "Uom": "string",
      "Uom2": "string"
    }
  ],
  "DueDate": "yyyy-mm-dd",
  "FromPmxWhsCode": "string",
}
```

```
"ToPmxWhsCode": "string",
"Remarks": "string",
"MoveLogUnitIn1Time": "Invalid"
}
```

Required properties: ItemCode, Quantity, DueDate, FromPmxWhsCode, ToPmxWhsCode

Response:

```
{
  "Result": {
    "DocEntry": 0
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

ClosePicklist

ClosePickListParams:

```
{
  "DocEntry": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllPicklists

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

GeneratePicklist

GeneratePickListParams:

```
{
  "PickListProposalEntry": 0
}
```

Response:

```
{
```

```
"Result": {
  "DocEntry": 0
},
"ResultType": 0,
"ErrorMessage": "string"
}
```

GeneratePicklistWave

GeneratePickListWaveParams:

```
{
  "ListOfProposals": [
    0
  ]
}
```

Response:

```
{
  "Result": {
    "DocEntries": [
      0
    ]
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

MakePicklistReady

MakePickListReadyParams:

```
{
  "DocEntry": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

SetPicklistHeaderInfo

SetPickListHeaderInfoParams:

```
{
```

```
"PickListIdentification": {
  "DocEntry": 0,
  "Version": "string"
},
"ChangePickListData": {
  "DestinationStorageLocationCode": "string",
  "PickPackRemarks": "string"
}
}
```

Required properties: Properties DestinationStorageLocationCode and PickPackRemarks can be omitted, but only one of them. The other properties are required.

The value of the **Version** property can be obtained from the result of the **GetPicklistHeaderInfo** query function.

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

PickByPicklistLine

PickByPickListLineParams:

```
{
  "DocEntryAndLineNum": {
    "DocEntry": 0,
    "LineNum": 0,
    "Version": "string"
  },
  "PickingData": {
    "QtyPicked": 0,
    "QtyPickedUom2": 0,
    "ListOfPickedSerialNumbers": [
      "string"
    ],
    "TargetLUID": 0,
    "TargetMoveableLocation": "string",
    "LogisticCarrierCode": "string"
  }
}
```

Required properties: DocEntry, LineNum, Version, QtyPicked

The value of the **Version** property can be obtained from the result of the **GetPicklistLineInfo** query function.

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

PickByItemCode

PickByItemCodeParams:

```
{
  "DetailedLineIdentification": {
    "DocEntry": 0,
    "ItemCode": "string",
    "StorLocCode": "string",
    "LogisticUnitID": 0,
    "SSCC": "string",
    "ItemTransactionalInfoKey": 0,
    "BatchNumber": "string",
    "BestBeforeDate": "yyyy-mm-dd",
    "QualityStatusCode": "string"
  },
  "PickingData": {
    "QtyPicked": 0,
    "QtyPickedUom2": 0,
    "ListOfPickedSerialNumbers": [
      "string"
    ],
    "TargetLUID": 0,
    "TargetMoveableLocation": "string",
    "LogisticCarrierCode": "string"
  }
}
```

Required properties: DocEntry, ItemCode, QtyPicked

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

SkipPickingByPicklistLine

SkipPickingByPickListLineParams:

```
{
  "DocEntryAndLineNum": {
    "DocEntry": 0,
    "LineNum": 0,
    "Version": "string"
  },
  "ReasonInfo": {
    "ReasonCode": "string",
    "ReasonFreeText": "string",
    "ReasonLocationCode": "string"
  }
}
```

```
}  
}
```

Required properties: DocEntry, LineNum, Version

The value of the **Version** property can be obtained from the result of the **GetPicklistLineInfo** query function.

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

SetPicklistLineInfo

SetPickListLineInfoParams:

```
{  
  "DocEntryAndLineNum": {  
    "DocEntry": 0,  
    "LineNum": 0,  
    "Version": "string"  
  },  
  "ChangePickListLineInfo": {  
    "SentToWAS": true  
  }  
}
```

Required properties: DocEntry, LineNum, Version, SentToWAS

The value of the **Version** property can be obtained from the result of the **GetPicklistLineInfo** query function.

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

GetPicklistHeaderInfo

GetPickListHeaderInfoParams:

```
{  
  "PickListFilter": {  
    "DocEntry": 0,  
    "DocStatus": "Open",  
    "CardCode": "string",  
    "Priority": 0,  
    "DestStorLocCode": "string",  
    "PickListStatus": "NotReady",  
  }  
}
```

```
    "WaveKey": 0,  
    "PickListType": "string"  
  },  
  "Offset": 0,  
  "Limit": 0  
}
```

Required properties: The PickListFilter itself is mandatory, but its properties are not.

Response:

```
{  
  "Result": {  
    "PickLists": [  
      {  
        "DocEntry": 0,  
        "WaveKey": 0,  
        "PickListType": "string",  
        "Priority": 0,  
        "DocStatus": "Open",  
        "PickListStatus": "NotReady",  
        "CardCode": "string",  
        "ShipToCode": "string",  
        "DestStorLocCode": "string",  
        "PickPackRemarks": "string",  
        "Version": "string"  
      }  
    ]  
  },  
  "ResultType": 0,  
  "ErrorMessage": "string"  
}
```

GetPicklistLineInfo

GetPickListLineInfoParams:

```
{  
  "PickListLineFilter": {  
    "DocEntry": 0,  
    "LineNum": 0,  
    "LineStatus": "Open",  
    "ItemCode": "string",  
    "StorLocCode": "string",  
    "LogUnitIdentKey": 0,  
    "SSCC": "string",  
    "QualityStatusCode": "string",  
    "PickListLineStatus": "NotReady",  
    "ItemTransactionalInfoKey": 0,  
  }  
}
```

```
    "BatchNumber": "string"
  },
  "Offset": 0,
  "Limit": 0
}
```

Required properties: DocEntry

Response:

```
{
  "Result": {
    "PickListLines": [
      {
        "DocEntry": 0,
        "LineNum": 0,
        "LineStatus": "Open",
        "PickListLineStatus": "NotReady",
        "ItemCode": "string",
        "StorLocCode": "string",
        "QualityStatusCode": "string",
        "LogUnitIdentKey": 0,
        "SSCC": "string",
        "ItemTransactionalInfoKey": 0,
        "BatchNumber": "string",
        "BestBeforeDate": "yyyy-mm-dd",
        "Quantity": 0,
        "OpenQty": 0,
        "QtyPicked": 0,
        "QtyPacked": 0,
        "Uom": "string",
        "QuantityPerUom": 0,
        "QuantityUom2": 0,
        "OpenQtyUom2": 0,
        "QtyPickedUom2": 0,
        "QtyPackedUom2": 0,
        "Uom2": "string",
        "SentToWAS": true,
        "Version": "string"
      }
    ]
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

ClosePicklistProposal

ClosePickListProposalParams:

```
{
  "DocEntry": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllPicklistProposals

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

GeneratePicklistProposalsForSalesOrders

GeneratePickListProposalsForSalesOrdersParams:

```
{
  "SalesOrderDocEntries": [
    {
      "DocType": "string",
      "DocEntry": 0,
      "IsDraft": true
    }
  ],
  "SalesOrderDocLines": [
    {
      "DocType": "string",
      "DocEntry": 0,
      "LineNum": 0,
      "InventoryQuantity": 0
    }
  ],
  "Warehouse": "string",
  "LoadingDock": "string",
  "SalesDocumentsInError": [
    {
      "DocType": "string",
      "DocEntry": 0,
      "IsDraft": true
    }
  ]
}
```

Required properties: SalesOrderDocEntries(DocType, DocEntry, IsDraft), Warehouse
The SalesOrderDocLines array is not required, but if given, then DocType, DocEntry, LineNum are

required.

Response:

```
{
  "Result": {
    "DocEntries": [
      0
    ]
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

CloseProductionOrder**CloseProductionOrderParams:**

```
{
  "DocEntry": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllProductionOrders**Response:**

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

AddPurchaseDeliveryNoteListOfLogisticUnits**AddPurchaseDeliveryNoteListOfLogisticUnitsParams:**

```
{
  "CardCode": "string",
  "FolioNumbering": {
    "POINumber": "string",
    "FolioNumberFrom": 0,
    "FolioNumberTo": 0
  },
  "StorageLocationCode": "string",
  "LogisticUnits": [
    {
      "LogisticUnitId": 0,

```

```
"MasterLUID": 0,
"SSCC": "string",
"SupplierPalletNumber": "string",
"ItemsOnLogisticUnit": [
  {
    "ListOfSerialNumbers": [
      "string"
    ],
    "AutoSelectPO": true,
    "FullListOfPackagingTypes": [
      {
        "PackagingTypeCode": "string",
        "PackagingTypeName": "string",
        "Barcode": [
          "string"
        ],
        "Quantity": 0,
        "QuantityPerPack": 0,
        "InitialQuantity": 0,
        "ShowOnScreen": true,
        "NumberOfDecimals": 0,
        "HideDuringEnteringQuantity": true
      }
    ],
    "ReasonInfo": {
      "ReasonCode": "string",
      "ReasonFreeText": "string",
      "ReasonLocationCode": "string"
    },
    "UnitPrice": 0,
    "IsLogisticCarrierForLogisticUnit": true,
    "IsLogisticCarrier": true,
    "ItemCode": "string",
    "BestBeforeDate": "yyyy-mm-dd",
    "BatchNumber1": "string",
    "BatchNumber2": "string",
    "Quantity": 0,
    "PurchaseDocRef": {
      "DocType": "string",
      "DocEntry": 0,
      "IsDraft": true
    },
    "PurchaseDocumentLineNum": 0,
    "QuantityUom2": 0,
    "QuantitiesForUom2": [
      0
    ],
    "Uom2": "string",
    "ListOfPackagingTypes": [
      {
```

```
        "ItemCode": "string",
        "PackagingTypeCode": "string",
        "Quantity": 0,
        "ItriKey": 0
    }
],
"ListOfBatchAttributes": [
    {
        "ItemCode": "string",
        "BatchAttributeCode": "string",
        "ValueConvertor": "string",
        "AttributeValue": "string",
        "ItriKey": 0,
        "InternalKey": 0,
        "IsLinkedToBatch": true,
        "CheckForExisting": true
    }
],
"QuantityPerUom": 0,
"OverrideLocationCode": "string",
"ListOfReasonsByZoneType": {},
"Usage": "string",
"BeasItemVersion": "string"
}
],
"SpecificLocationCode": "string",
"IsMoveToLockedStockLocation": true,
"AllowReceptionWithoutLUID": true,
"Reason": {
    "ReasonCode": "string",
    "ReasonFreeText": "string",
    "ReasonLocationCode": "string"
},
"UnitPrice": 0
}
],
"SupplierRef": "string",
"ContainerDocEntry": 0,
"ListOfQualityValueInfos": [
    {
        "MomentOfCapture": "Start",
        "QualityValueInfos": [
            {
                "QualityTypeCode": "string",
                "ValueConvertor": "string",
                "QualityValue": "string",
                "InternalKey": 0,
                "MomentOfCapture": "Start",
                "BaseType": "string"
            }
        ]
    }
]
```

```
    }  
  ],  
  "ReserveInvoicesAreAllowed": true  
}
```

Required properties: StorageLocationCode, ItemCode, PackagingTypeCode, Quantity, ListOfBatchAttributes

Response:

```
{  
  "Result": {  
    "CreatedDeliveries": [  
      {  
        "DocType": "string",  
        "DocEntry": 0,  
        "IsDraft": true  
      }  
    ],  
    "ListOfLUIDs": [  
      0  
    ]  
  },  
  "ResultType": 0,  
  "ErrorMessage": "string"  
}
```

ClosePurchaseOrder

ClosePurchaseOrderParams:

```
{  
  "DocEntry": 0  
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllPurchaseOrders

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseSalesOrder

CloseSalesOrderParams:

```
{
  "DocEntry": 0
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllSalesOrders

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

AddSalesOrder

AddSalesOrderParams:

```
{
  "DocDate": "yyyy-mm-dd",
  "DocDueDate": "yyyy-mm-dd",
  "CardCode": "string",
  "FederalTaxID": "string",
  "NumAtCard": "string",
  "TransportCode": 0,
  "AllowMultipleDeliveries": true,
  "Comments": "string",
  "PickPackRemarks": "string",
  "PaymentTerms": "string",
  "ManagedBP": true,
  "ContactPersonCode": 0,
  "LanguageShortName": "string",
  "DocCurrency": "string",
  "ShipTo": {
    "CardCode": "string",
    "CardName": "string",
    "AddressType": "string",
    "ContactName": "string",
    "Street": "string",
    "City": "string",
    "PostalCode": "string",
    "CountryCode": "string",
    "Address": "string",
  }
}
```

```
    "GLN": "string"
  },
  "BillTo": {
    "CardCode": "string",
    "CardName": "string",
    "AddressType": "string",
    "ContactName": "string",
    "Street": "string",
    "City": "string",
    "PostalCode": "string",
    "CountryCode": "string",
    "Address": "string",
    "GLN": "string"
  },
  "UserFields": [
    {
      "Name": "string",
      "Value": {}
    }
  ],
  "Lines": [
    {
      "LineNr": 0,
      "ItemCode": "string",
      "ItemDescr": "string",
      "Quantity": 0,
      "Uom": "string",
      "UnitPrice": 0,
      "VatCode": "string",
      "VatPct": 0,
      "DiscPct": 0,
      "WarehouseCode": "string",
      "BatchNumber": "string",
      "BestBeforeDate": "yyyy-mm-dd",
      "ShippingMethod": 0,
      "FreeText": "string",
      "SerialNumbers": [
        "string"
      ],
      "UserFields": [
        {
          "Name": "string",
          "Value": {}
        }
      ]
    }
  ]
}
```

Required properties: DocDueDate, CardCode, Lines (ItemCode, Quantity, SerialNumbers,

UserFields), UserFields

Response:

```
{
  "Result": {
    "DocEntry": 0
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

AddOrUpdateInventoryLocking

AddOrUpdateInventoryLockingParams:

```
{
  "Qty": 0,
  "LockInternalKey": 0,
  "LockLevel": 0,
  "SalesOrderDocEntry": 0,
  "SalesInvoiceDocEntry": 0,
  "CardCodeParameter": "string",
  "ItemCode": "string",
  "Luid": 0,
  "LocationCode": "string",
  "QualityStatusCode": "string",
  "PmxWhsCode": "string",
  "ItriKey": 0,
  "BaseType": "string"
}
```

Required properties: Qty, CardCodeParameter, ItemCode

Response:

```
{
  "Result": {
    "Error": "string"
  },
  "ResultType": 0,
  "ErrorMessage": "string"
}
```

CloseStockTransferRequest

CloseStockTransferRequestParams:

```
{  
  "DocEntry": 0  
}
```

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

CloseAllStockTransferRequests

Response:

```
{ "ResultType": 0, "ErrorMessage": "string" }
```

Enums

ResultTypeEnum	Value
Success	0
Error	1

DocumentStatus	Value	Description
Open	1	The document is open and properties can be changed
Closed	2	The document is closed. Nothing can be changed on the document

DocumentLineStatus	Value	Description
Open	1	The document line is open and properties can be changed
Closed	2	The document line is closed. Nothing can be changed on the document line

MoveOrderStockLevel	Value	Description
Detail	1	
Item	2	
MasterLuid	4	

MoveOrderStatus	Value	Description
NothingMoved	1	
Closed	2	
PartiallyMoved	4	

MoveOrderType	Value	Description
Move	1	
PutAway	2	
Replenish	4	
WarehouseTransfer	8	
PutAwayProduction	12	

MoveInOneTime	Value	Description
Invalid	0	
CannotBeMovedInOneTime	1	
CanBeInOneTime	2	

MustBeMovedInOneTime	4	
PickListStatus	Value	Description
NotReady	1	Not all data is filled in and picking can not start
Closed	2	All items are delivered
PartiallyReady	4	All data of some line is filled in and the picking can start
Ready	8	All data is filled in and the picking can start
PartiallyPicked	16	Items are partially picked
Picked	32	Items are picked
PartiallyDelivered	64	Items are partially delivered
PartiallyPacked	128	Items are partially packed
Packed	256	Items are packed
ForcedClosed	512	The picklist has been forced to be closed
PartiallyShipped	1024	Items are partially packed
Shipped	2048	Items are packed

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