GraphQL API Documentation: Transfer Order

# GraphQL Schema (schema.graphqls)

type Mutation {  
 createTO(input: CreateTOInput!): String  
}  
  
type Query {  
 getTOByTransferOrderId(transferOrderId: String!): TransferOrderOutput  
}  
  
input CreateTOInput {  
 header: HeaderInput!  
 body: BodyInput!  
}  
  
input HeaderInput {  
 eventType: String!  
 eventCreateDateTime: String!  
 eventTriggeredForSystem: String!  
 sourceLocation: String!  
 destinationLocation: String!  
 transferOrderReason: String!  
}  
  
input BodyInput {  
 transferOrder: TransferOrderInput!  
}  
  
input TransferOrderInput {  
 transferOrderId: String  
 uniqueId: String!  
 sourceRequestIdentity: String!  
 sourceLocation: String!  
 destinationLocation: String!  
 eventType: String!  
 eventTriggeredForSystem: String!  
 transferOrderReason: String!  
 type: String!  
 comments: CommentInput  
 priority: Int!  
 needDeliveryDate: String!  
 expectedShipDate: String!  
 lineDetails: [LineDetailInput!]!  
 purchaseOrders: [String]  
}  
  
input CommentInput {  
 notes: String  
 user: String  
 time: String  
}  
  
input LineDetailInput {  
 lineNumber: Int!  
 itemId: String!  
 model: String  
 omniItemId: String  
 itemAttributes: [ItemAttributeInput!]  
 requestQuantity: Int!  
 comments: [CommentInput]  
 purchaseOrders: [String]  
}  
  
input ItemAttributeInput {  
 featureType: String!  
 featureValue: JSONObject!  
}  
  
type TransferOrderOutput {  
 transferOrder: TransferOrderDTO  
}  
  
type TransferOrderDTO {  
 transferOrderId: String  
 legacyTransferOrderId: String  
 sourceReason: String  
 sourceRequestIdentity: String  
 orderSource: String  
 sourceLocation: Int  
 destinationLocation: Int  
 type: String  
 status: String  
 priority: String  
 needDeliveryDate: String  
 pickDateTime: String  
 deliveryDate: String  
 comments: JSONObject  
 lineDetails: [LineDetailDTO]  
 shipmentAndDelivery: JSONObject  
 purchaseOrders: JSONObject  
 auditDetails: JSONObject  
}  
  
type LineDetailDTO {  
 lineNumber: Int  
 itemId: String  
 model: String  
 omniItemId: String  
 itemAttributes: [ItemAttribute]  
 status: String  
 originalRequestQuantity: Int  
 finalRequestQuantity: Int  
 fulfillmentDetails: JSONObject  
 stagedLocationDetails: JSONObject  
 comments: JSONObject  
 shipmentIds: [String]  
 purchaseOrders: [String]  
 auditDetails: JSONObject  
}  
  
type ItemAttribute {  
 featureType: String  
 featureValue: JSONObject  
}  
  
scalar JSONObject

# Mutation: createTO

Endpoint: http://localhost:8080/graphql

Operation Type: Mutation

Headers:

Content-Type: application/json

## GraphQL Query

mutation createTO($input: CreateTOInput!) {  
 createTO(input: $input)  
}

## Request Body

{  
 "query": "mutation createTO($input: CreateTOInput!) { createTO(input: $input) }",  
 "variables": {  
 "input": {  
 "header": {  
 "eventType": "TO\_CREATE",  
 "eventCreateDateTime": "2024-03-20T08:00:00.005Z",  
 "eventTriggeredForSystem": "BDM",  
 "sourceLocation": "3454",  
 "destinationLocation": "489",  
 "transferOrderReason": "REVERSE MOVE"  
 },  
 "body": {  
 "transferOrder": {  
 "transferOrderId": "",  
 "uniqueId": "1190000001\_123e4567-e89b-42d3-a456-556642640081",  
 "sourceRequestIdentity": "1190000001\_123e4567-e89b-42d3-a456-556642640081",  
 "sourceLocation": "3454",  
 "destinationLocation": "489",  
 "eventType": "TO\_CREATE",  
 "eventTriggeredForSystem": "BDM",  
 "transferOrderReason": "REVERSE MOVE",  
 "type": "RES",  
 "comments": {  
 "notes": "Free form text",  
 "user": "salesIdOrSystemName",  
 "time": "2024-03-20T08:00:00.005Z"  
 },  
 "priority": 1,  
 "needDeliveryDate": "2024-03-30T08:00:00.005Z",  
 "expectedShipDate": "2024-03-25T08:00:00.005Z",  
 "lineDetails": [  
 {  
 "lineNumber": 1,  
 "itemId": "123456",  
 "model": "007.0117189.008",  
 "omniItemId": "1000380463",  
 "itemAttributes": [  
 {  
 "featureType": "ASSEMBLE",  
 "featureValue": {  
 "assemblyOption": "Assemble"  
 }  
 }  
 ],  
 "requestQuantity": 10,  
 "comments": [  
 {  
 "notes": "Free form text",  
 "user": "salesIdOrSystemName",  
 "time": "2024-03-20T08:00:00.005Z"  
 }  
 ],  
 "purchaseOrders": []  
 }  
 ],  
 "purchaseOrders": []  
 }  
 }  
 }  
 }  
}

## Response

{  
 "data": {  
 "createTO": "Transfer Order Created Successfully"  
 }  
}

# Query: getTOByTransferOrderId

Endpoint: http://localhost:8080/graphql

Operation Type: Query

## GraphQL Query

query getTOByTransferOrderId($transferOrderId: String!) {  
 getTOByTransferOrderId(transferOrderId: $transferOrderId) {  
 transferOrder {  
 transferOrderId  
 legacyTransferOrderId  
 sourceReason  
 sourceRequestIdentity  
 orderSource  
 sourceLocation  
 destinationLocation  
 type  
 status  
 priority  
 needDeliveryDate  
 pickDateTime  
 deliveryDate  
 comments  
 lineDetails {  
 lineNumber  
 itemId  
 model  
 omniItemId  
 itemAttributes {  
 featureType  
 featureValue  
 }  
 status  
 originalRequestQuantity  
 finalRequestQuantity  
 fulfillmentDetails  
 stagedLocationDetails  
 comments  
 shipmentIds  
 purchaseOrders  
 auditDetails  
 }  
 shipmentAndDelivery  
 purchaseOrders  
 auditDetails  
 }  
 }  
}

## Request Body

{  
 "query": "query getTOByTransferOrderId($transferOrderId: String!) { getTOByTransferOrderId(transferOrderId: $transferOrderId) { transferOrder { transferOrderId legacyTransferOrderId sourceReason sourceRequestIdentity orderSource sourceLocation destinationLocation type status priority needDeliveryDate pickDateTime deliveryDate comments lineDetails { lineNumber itemId model omniItemId itemAttributes { featureType featureValue } status originalRequestQuantity finalRequestQuantity fulfillmentDetails stagedLocationDetails comments shipmentIds purchaseOrders auditDetails } shipmentAndDelivery purchaseOrders auditDetails } } }",  
 "variables": {  
 "transferOrderId": "1190000001"  
 }  
}

## Response

{  
 "data": {  
 "getTOByTransferOrderId": {  
 "transferOrder": {  
 "transferOrderId": "1190000001",  
 "legacyTransferOrderId": "1190000001\_legacy",  
 "sourceReason": "REVERSE MOVE",  
 "sourceRequestIdentity": "1190000001\_req",  
 "orderSource": "OMS",  
 "sourceLocation": 3454,  
 "destinationLocation": 489,  
 "type": "RES",  
 "status": "CREATED",  
 "priority": "1",  
 "needDeliveryDate": "2024-03-30T08:00:00.005Z",  
 "pickDateTime": "2024-03-29T08:00:00.005Z",  
 "deliveryDate": "2024-04-01T08:00:00.005Z",  
 "comments": {},  
 "lineDetails": [  
 {  
 "lineNumber": 1,  
 "itemId": "123456",  
 "model": "007.0117189.008",  
 "omniItemId": "1000380463",  
 "itemAttributes": [  
 {  
 "featureType": "ASSEMBLE",  
 "featureValue": {  
 "assemblyOption": "Assemble"  
 }  
 }  
 ],  
 "status": "CREATED",  
 "originalRequestQuantity": 10,  
 "finalRequestQuantity": 10,  
 "fulfillmentDetails": {},  
 "stagedLocationDetails": {},  
 "comments": {},  
 "shipmentIds": [],  
 "purchaseOrders": [],  
 "auditDetails": {}  
 }  
 ],  
 "shipmentAndDelivery": {},  
 "purchaseOrders": {},  
 "auditDetails": {}  
 }  
 }  
 }  
}