1, SDK:DigitBridge.CommerceCentral.ERPApiSDK

Get latest SDK from nuget

2, Configuration

//Put following setting to your config file as required.

"ERP\_Integration\_Api\_BaseUrl": "https://digitbridge-erp-integration-api-dev.azurewebsites.net",

"ERP\_Integration\_Api\_AuthCode": "aa4QcFoSH4ADcXEROimDtbPa4h0mY/dsNFuK1GfHPAhqx5xMJRAaHw==",

3, API instructions

3.1 Central order to ERP sales order

|  |  |  |
| --- | --- | --- |
| API | CommerceCentralOrderClient | Create ERP sales order by centralOrderUuid |
| Method | CentralOrderToErpAsync | parameter  masterAccountNum:int  profileNum:int  centralOrderUuid:string |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| API | CommerceCentralOrderClient | Create ERP sales order by centralOrderUuid |
| Method | CentralOrderToErpAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |
|  |  |  |

3.2 ERP sales order to WSM

3.2.1

|  |  |  |
| --- | --- | --- |
| API | WMSSalesOrderClient | ERP providing open sales order for WMS to download |
| Method | GetSalesOrdersOpenListAsync | parameter  masterAccountNum:int  profileNum:int requestPayload:WMSSalesOrderRequestPayload |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:WMSSalesOrderResponseData |

3.2.2 :

|  |  |  |
| --- | --- | --- |
| API | WMSAckReceiveSalesOrderClient | WMS download sales order from erp, then send succeed downloaded salesOrderuuids back to erp. |
| Method | AckReceiveSalesOrdersAsync | parameter  masterAccountNum:int  profileNum:int salesOrderUuids:IList<string> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.2.3 :

|  |  |  |
| --- | --- | --- |
| API | WMSAckProcessSalesOrderClient | WMS process downloaded salesorder, then send the process result back to erp. |
| Method | AckProcessSalesOrdersAsync | parameter  masterAccountNum:int  profileNum:int processResults:IList<ProcessResult> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.3 WMS upload shipment to ERP

3.3.1

|  |  |  |
| --- | --- | --- |
| API | WMSShipmentClient | ERP providing unprocess invoices for Commerce central to download. |
| Method | AddShipmentListAsync | parameter  masterAccountNum:int  profileNum:int shipments:IList<InputOrderShipmentType> |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:IList<WmsOrderShipmentPayload> |

3.3.2

|  |  |  |
| --- | --- | --- |
| API | WMSShipmentListClient | ERP providing shipment (which uploaded by WMS) transferred result for WMS to download. |
| Method | GetWMSOrderShipmentListAsync | parameter  masterAccountNum:int  profileNum:int shipmentIDs:IList<string> |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:IList<WMSShipmentProcess> |

3.3.3

|  |  |  |
| --- | --- | --- |
| API | WMSShipmentResendClient | Resend existing WMS shipmentIDs to queue  transferred result for WMS to download. |
| Method | ResendWMSShipmentToErpAsync | parameter  masterAccountNum:int  profileNum:int shipmentIDs:IList<string> |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:IList<string>  Remark:shipmentids which sent succeeded. |

3.4 ERP invoice to central

3.4.1

|  |  |  |
| --- | --- | --- |
| API | CommerceCentralInvoiceClient | ERP providing unprocess invoices for Commerce central to download. |
| Method | GetUnprocessedInvoicesAsync | parameter  masterAccountNum:int  profileNum:int requestPayload:CommerceCentralInvoiceRequestPayload |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:CommerceCentralInvoiceResponseData |

3.4.2 :

|  |  |  |
| --- | --- | --- |
| API | CommerceCentralAckReceiveInvoiceClient | Commerce central download unprocess invoice from erp, then send succeed downloaded invoiceuuids back to erp. |
| Method | AckReceiveInvoicesAsync | parameter  masterAccountNum:int  profileNum:int invoiceUuids:IList<string> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.4.3 :

|  |  |  |
| --- | --- | --- |
| API | CommerceCentralAckProcessInvoiceClient | Commerce central process downloaded invoice, then send the process result back to erp. |
| Method | AckProcessInvoicesAsync | parameter  masterAccountNum:int  profileNum:int processResults:IList<ProcessResult> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.5 ERP purchase order to WMS

3.5.1

|  |  |  |
| --- | --- | --- |
| API | WMSPurchaseOrderClient | ERP providing purchase order list for WMS to download. |
| Method | GetPurchaseOrdersOpenListAsync | parameter  masterAccountNum:int  profileNum:int requestPayload:WMSPurchaseOrderRequestPayload |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:WMSPurchaseOrderResponseData |

3.5.2

|  |  |  |
| --- | --- | --- |
| API | WMSAckReceivePurchaseOrderClient | WMS download purchase order from erp, then send succeed downloaded purchaseOrderUuids back to erp. |
| Method | AckReceivePurchaseOrdersAsync | parameter  masterAccountNum:int  profileNum:int purchaseOrderUuids:IList<string> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.5.3

|  |  |  |
| --- | --- | --- |
| API | WMSAckProcessPurchaseOrderClient | WMS process downloaded purchase order, then send the process result back to erp. |
| Method | AckProcessPurchaseOrdersAsync | parameter  masterAccountNum:int  profileNum:int processResults:IList<ProcessResult> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.6 WMS upload PoReceive to ERP

3.6.1

|  |  |  |
| --- | --- | --- |
| API | WMSPoReceiveClient | WSM upload purchase order received items to erp. |
| Method | ReceiveAsync | parameter  masterAccountNum:int  profileNum:int receiveItems:IList<WMSPoReceiveItem> |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:IList<WMSPoReceivePayload> |

3.7 WMS upload inventory instock to ERP

3.7.1

|  |  |  |
| --- | --- | --- |
| API | WMSInventorySyncClient | WMS upload inventory instock to ERP. |
| Method | UpdateStockAsync | parameter  masterAccountNum:int  profileNum:int inventorySyncItems:IList<InventorySyncItemsModel> |
| Error | client.Messages | Include both SDK error and api invoked error |
|  |  |  |

3.8 Resend event

3.8.1

|  |  |  |
| --- | --- | --- |
| API | ErpEventResendClient | Resend existing event to queue. |
| Method | ResendEventAsync | parameter  masterAccountNum:int  profileNum:int eventUuids:IList<string> |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:IList<string>  Remark:eventuuid sent list. |

3.9 Create invoice by ordershipment

3.9.1

|  |  |  |
| --- | --- | --- |
| API | InvoiceClient | Create erp invoice by OrderShipmentUuid |
| Method | CreateInvoiceByOrderShipmentAsync | parameter  masterAccountNum:int  profileNum:int  orderShipmentUuid:string |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

|  |  |  |
| --- | --- | --- |
| API | InvoiceClient | Create erp invoice by OrderShipmentUuid |
| Method | CreateInvoiceByOrderShipmentAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

3.10 Add qbo event and queue message

3.10.1 Add/Void qbo invoice

|  |  |  |
| --- | --- | --- |
| API | QboInvoiceClient | Add event and add message to queue to create qbo invoice. |
| Method | SendAddQboInvoiceAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

|  |  |  |
| --- | --- | --- |
| API | QboInvoiceClient | Add event and add message to queue to create qbo invoice. |
| Method | SendVoidQboInvoiceAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

3.10.2 Add/Delete qbo payment

|  |  |  |
| --- | --- | --- |
| API | QboPaymentClient | Add event and add message to queue to create qbo payment. |
| Method | SendAddQboPaymentAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

|  |  |  |
| --- | --- | --- |
| API | QboPaymentClient | Add event and add message to queue to create qbo payment. |
| Method | SendDeleteQboPaymentAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

3.10.3

|  |  |  |
| --- | --- | --- |
| API | QboReturnClient | Add event and add message to queue to create qbo refund. |
| Method | SendAddQboReturnAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

|  |  |  |
| --- | --- | --- |
| API | QboReturnClient | Add event and add message to queue to create qbo refund. |
| Method | SendDeleteQboReturnAsync | parameter  eventDto:AddErpEventDto |
| Error | client.Messages | Include both SDK error and api invoked error |
| Data | client.Data | Type:EventERP |

4, Two ways to create a client

1,//Add config to config file

var client = new CommerceCentralInvoiceClient();

2,//No config file

var baseUrl="https://digitbridge-erp-integration-api-dev.azurewebsites.net"

var authoCode="aa4QcFoSH4ADcXEROimDtbPa4h0mY/dsNFuK1GfHPAhqx5xMJRAaHw==";

var client = new CommerceCentralInvoiceClient(baseUr,authoCode);