**Database Design**

| ***MG\_SALES\_ORDER Table Fields Details*** | | | | |
| --- | --- | --- | --- | --- |
| ***Item*** | ***Field*** | ***Description(s)*** | ***Format (Length)*** | ***Optional*** |
| 1. 1 | BRANCH\_ID | Maxim’s branch ID for this virtual branch (The 5-digit branch ID that begin with “0”) | Varchar2(6) |  |
|  | BUSINESS\_DATE | Transaction Business Date | Datetime |  |
|  | ORDER\_NO | Transaction order no. | Varchar2(10) |  |
|  | ORDER\_SEQUENCE | Transaction order sequence | Number(5,0) |  |
|  | EVENT\_NO | Event Order no. | Varchar2(10) | Y |
|  | TABLE\_NO | Table no. | Varchar2(6) |  |
|  | GUEST | Number of guests | Number(5,0) |  |
|  | PRINT\_TIMES | Number of times the pay check is printed | Number(5,0) |  |
|  | PRINT\_USER\_ID1 | Print User ID 1 | Varchar2(10) | Y |
|  | PRINT\_USER\_ID2 | Print User ID 2 | Varchar2(10) | Y |
|  | PRINT\_USER\_ID3 | Print User ID 3 | Varchar2(10) | Y |
|  | CURRENCY\_CODE | Currency Code | Varchar2(6) |  |
|  | BEVAMT | Beverage Sales Amount | Number(19,4) |  |
|  | FOODAMT | Food Sales Amount | Number(19,4) |  |
|  | SERVAMT | Service Charge Amount | Number(19,4) |  |
|  | DISC\_CODE | Discount Code | Varchar2(10) | Y |
|  | DISC\_RATIO | Discount Ratio | Number(19,4) |  |
|  | DISC\_AMT | Discount Amount | Number(19,4) |  |
| 1. 2 | TAX\_CODE | Tax Code | Varchar2(4) | Y |
|  | TAX\_AMT | Tax Amount | Number(19,4) |  |
|  | ORDER\_TYPE | Order type | Varchar2(4) |  |
|  | SP\_TRANS\_TYPE |  | Varchar2(4) | Y |
|  | TRANS\_TYPE | Transaction type | Varchar2(4) |  |
|  | CHARGE\_DEPT | Charging Department | Varchar2(6) | Y |
|  | CHARGE\_REASON | Charging Reason | Varchar2(4) | Y |
|  | CHARGE\_USER\_ID |  | Varchar2(10) | Y |
|  | OPEN\_TILL\_NO | Till machine on which the sales order is opened | Varchar2(4) |  |
|  | CLOSE\_TILL\_NO | Till machine on which the sales order is closed | Varchar2(4) |  |
|  | OPEN\_USER\_ID | User ID of staff who opens the sales order | Varchar2(10) |  |
|  | CLOSE\_USER\_ID | User ID of staff who closes the sales order | Varchar2(10) |  |
|  | CHECK\_IN\_DATE\_TIME | Sales order check-in date time | Datetime |  |
|  | CHECK\_OUT\_DATE\_TIME | Sales order check-out date time | Datetime |  |
|  | VOID\_FLAG | Void sales order flag | Varchar2(2) |  |
|  | VOID\_DATE\_TIME | Void sale date time | Datetime |  |
|  | VOID\_ID | Void ID | Varchar2(10) | Y |
|  | REASON\_CODE | Void reason | Varchar2(4) | Y |
|  | REMARKS01 | Remark 1 | Varchar2(60) | Y |
|  | REMARKS02 | Remark 2 | Varchar2(60) | Y |
|  | REMARKS03 | Remark 3 | Varchar2(60) | Y |
|  | DATA\_SOURCE | Data Source of the sales (e.g. “OM” for Order Management; “Lunch” for Lunch Box system) | Varchar2(4) |  |
|  | LAST\_UPDATE\_USER | Last update by (user id by which the convert process or adjustment is done) | Varchar2(10) |  |
|  | LAST\_UPDATE\_TIME | Last update date time | Datetime |  |
|  | WORKSTATION\_NAME | Server at which the convert process take place | Varchar2(60) |  |
|  | APP\_NAME | Program name of convert process | Varchar2(60) |  |
|  | RUNNO | Run ID of the convert process | Number(10,0) |  |
|  | STATUS | Whether or not the sales data is counted as store sales | Varchar2(2) | Y |

| ***MG\_SALES\_ITEM Table Fields Details*** | | | | |
| --- | --- | --- | --- | --- |
| ***Item*** | ***Field*** | ***Description(s)*** | ***Format (Length)*** | ***Optional*** |
| 1. 1 | BRANCH\_ID | Maxim’s branch ID for this virtual branch (The 5-digit branch ID that begin with “0”) | Varchar2(6) |  |
|  | BUSINESS\_DATE | Transaction Business Date | Datetime |  |
|  | ORDER\_NO | Transaction order no. | Varchar2(10) |  |
|  | ORDER\_SEQUENCE | Transaction order sequence | Number(5,0) |  |
|  | EVENT\_NO | Event Order no. | Varchar2(10) | Y |
|  | ITEM\_SEQUENCE | Transaction item sequence | Number(5,0) |  |
|  | SUBITEM\_SEQUENCE | Transaction item sub-sequence | Number(5,0) |  |
|  | ITEMNO | Item code | Varchar2(10) |  |
|  | CATEGORY | Item category | Varchar2(7) |  |
|  | ITEM\_DESCRIPTION | Item code description | Varchar2(60) |  |
|  | LIST\_PRICE | Listed Unit price | Number(19,4) |  |
|  | PRICE | Unit price | Number(19,4) |  |
|  | QTY | Transaction Quantity | Number(19,4) |  |
|  | ITEMTOT | Item sales total | Number(19,4) |  |
|  | SERVFLAG | Service type | Varchar2(2) |  |
|  | SETMENU | Set menu item code | Varchar2(10) | Y |
|  | SET\_FLAG | Set menu item indicator | Varchar2(2) |  |
|  | DISC\_CODE | Item Discount Code | Varchar2(10) | Y |
| 1. 2 | DISC\_RATIO | Item Discount Ratio | Number(19,4) |  |
|  | DISC\_AMT | Item Discount Amount | Number(19,4) |  |
|  | MODIFIED\_AMT | Modified Amount | Number(19,4) |  |
|  | COST | Item Cost | Number(19,4) |  |
|  | TAX\_CODE | Tax Code | Varchar2(4) | Y |
|  | TAX\_AMT | Tax Amount | Number(19,4) |  |
|  | ORDER\_TYPE | Order type | Varchar2(2) |  |
|  | TRANS\_TYPE | Transaction type | Varchar2(4) |  |
|  | TILL\_NO | Till machine on which the ordered item is made | Varchar2(4) |  |
|  | INPUT\_DATE\_TIME | Sales item input date time | Datetime |  |
|  | INPUT\_ID | User ID of staff who input the item | Varchar2(10) |  |
|  | VOID\_FLAG | Void sales item flag | Varchar2(2) |  |
|  | VOID\_DATE\_TIME | Void sale date time | Datetime |  |
|  | VOID\_ID | Void ID | Varchar2(10) |  |
|  | REASON\_CODE | Void reason | Varchar2(4) | Y |
|  | REMARKS01 | Remark 1 | Varchar2(60) | Y |
|  | REMARKS02 | Remark 2 | Varchar2(60) | Y |
|  | REMARKS03 | Remark 3 | Varchar2(60) | Y |
|  | DATA\_SOURCE | Data Source of the sales (e.g. “OM” for Order Management; “Lunch” for Lunch Box system) | Varchar2(4) |  |
|  | LAST\_UPDATE\_USER | Last update by (user id by which the convert process or adjustment is done) | Varchar2(10) |  |
|  | LAST\_UPDATE\_TIME | Last update date time | Datetime |  |
|  | WORKSTATION\_NAME | Server at which the convert process take place | Varchar2(60) |  |
|  | APP\_NAME | Program name of convert process | Varchar2(60) |  |
|  | RUNNO | Run ID of the convert process | Number(10,0) |  |
|  | STATUS | Whether or not the sales data is counted as store sales | Varchar2(2) | Y |

| ***MG\_SALES\_PAY Table Fields Details*** | | | | |
| --- | --- | --- | --- | --- |
| ***Item*** | ***Field*** | ***Description(s)*** | ***Format (Length)*** | ***Optional*** |
| 1. 1 | BRANCH\_ID | Maxim’s branch ID for this virtual branch (The 5-digit branch ID that begin with “0”) | Varchar2(6) |  |
|  | BUSINESS\_DATE | Transaction Business Date | Datetime |  |
|  | ORDER\_NO | Transaction order no. | Varchar2(10) |  |
|  | ORDER\_SEQUENCE | Transaction order sequence | Number(5,0) |  |
|  | EVENT\_NO | Event Order no. | Varchar2(10) | Y |
|  | PAYMENT\_SEQUENCE | Payment sequence | Number(5,0) |  |
|  | PAY\_TYPE | Payment Type | Varchar2(10) |  |
|  | POS\_PAY\_TYPE | POS Payment Type | Varchar2(10) |  |
|  | PAID\_QUANTITY | Paid quantity | Number(19,4) |  |
|  | PAID\_CURRENCY | Paid currency | Varchar2(6) |  |
|  | PAID\_AMOUNT | Paid amount | Number(19,4) |  |
|  | CHANGE |  | Number(19,4) |  |
|  | TIPS | Tips paid | Number(19,4) |  |
|  | LOCAL\_CURRENCY | POS local currency | Varchar2(6) |  |
|  | LOCAL\_AMOUNT | Paid amount in local currency | Number(19,4) |  |
|  | EXCHANGE\_RATE | Exchange rate to change Paid amount to Local amount | Number(19,4) |  |
|  | DISC\_TYPE | Payment discount type | Varchar2(10) |  |
|  | DISC\_AMT | Payment discount amount | Number(19,4) |  |
| 1. 2 | CARD\_TYPE | Card type (e.g. Visa, membership card, etc) | Varchar2(4) | Y |
|  | CARD\_NO | Card Number | Varchar2(20) | Y |
|  | CARD\_USER | Card holder name | Varchar2(60) | Y |
|  | REF\_NO | Reference No. | Varchar2(20) | Y |
|  | TRACE\_NO | Trace no. | Varchar2(20) | Y |
|  | APPROVAL\_CODE | Approval code | Varchar2(20) | Y |
|  | ORDER\_TYPE | Order type | Varchar2(2) | Y |
|  | TRANS\_TYPE | Transaction Type | Varchar2(4) | Y |
|  | TILL\_NO | Till machine on which the ordered item is made | Varchar2(4) |  |
|  | INPUT\_DATE\_TIME | Sales item input date time | Datetime |  |
|  | INPUT\_ID | User ID of staff who input the item | Varchar2(10) |  |
|  | VOID\_FLAG | Void sales item flag | Varchar2(2) |  |
|  | VOID\_DATE\_TIME | Void sale date time | Datetime |  |
|  | VOID\_ID | Void ID | Varchar2(10) | Y |
|  | REASON\_CODE | Void reason | Varchar2(4) | Y |
|  | REMARKS01 | Remark 1 | Varchar2(60) | Y |
|  | REMARKS02 | Remark 2 | Varchar2(60) | Y |
|  | REMARKS03 | Remark 3 | Varchar2(60) | Y |
|  | DATA\_SOURCE | Data Source of the sales (e.g. “OM” for Order Management; “Lunch” for Lunch Box system) | Varchar2(4) |  |
|  | LAST\_UPDATE\_USER | Last update by (user id by which the convert process or adjustment is done) | Varchar2(10) |  |
|  | LAST\_UPDATE\_TIME | Last update date time | Datetime |  |
|  | WORKSTATION\_NAME | Server at which the convert process take place | Varchar2(60) |  |
|  | APP\_NAME | Program name of convert process | Varchar2(60) |  |
|  | RUNNO | Run ID of the convert process | Number(10,0) |  |
|  | STATUS | Whether or not the sales data is counted as store sales | Varchar2(2) |  |

| ***MG\_SALES\_PAYFIG Table Fields Details*** | | | | |
| --- | --- | --- | --- | --- |
| ***Item*** | ***Field*** | ***Description(s)*** | ***Format (Length)*** | ***Optional*** |
| 1. 1 | BRANCH\_ID | Maxim’s branch ID | Varchar2(6) |  |
|  | BUSINESS\_DATE | Transaction Business Date | Date |  |
|  | RECTYPE | Record type | Varchar2(10) |  |
|  | RECDESC | Record type description | Varchar2(60) |  |
|  | CURRENCY\_CODE | Currency Code for the “total amount” | Varchar2(6) |  |
|  | TOTAL\_AMOUNT | Total amount for this Record type | Number(19,4) |  |
|  | QTY | Total quantity for this Record type | Number(19,4) |  |
|  | AUTHOR | Author | Varchar2(60) |  |
|  | LOCAL\_CURRENCY | Currency Code for the “local amount” | Varchar2(6) |  |
|  | LOCAL\_AMOUNT | Local amount for this Record type | Number(19,4) |  |
|  | EXCHANGE\_RATE | Exchange rate ( = Local currency amount / total amount) | Number(19,4) |  |
|  | INPUT\_DATE\_TIME | Input Date Time | Date |  |
|  | INPUT\_ID | Input ID | Varchar2(10) | Y |
|  | REASON\_CODE | Reason code | Varchar2(4) | Y |
|  | REMARKS01 | Remark 1 | Varchar2(60) | Y |
|  | REMARKS02 | Remark 2 | Varchar2(60) | Y |
|  | REMARKS03 | Remark 3 | Varchar2(60) | Y |
|  | DATA\_SOURCE | Data Source | Varchar2(4) |  |
| 1. 2 | LAST\_UPDATE\_USER | Last update user | Varchar2(10) |  |
|  | LAST\_UPDATE\_TIME | Last update time | Date |  |
|  | WORKSTATION\_NAME | Server at which the convert process take place | Varchar2(60) |  |
|  | APP\_NAME | Program name of convert process | Varchar2(60) |  |
|  | RUNNO | Run ID of the convert process | Number(10,0) |  |
|  | STATUS | Status code | Varchar2(2) |  |

**Interface Design**

**Sales Data Web Service**

**OSB**

**1**

Inbound

**EDW**

Sales Data Web Service

**2**

Update Database

**3**

Outbound

**Data Process Flow**

1. Send the request the OSB Restful Sales Data Web Service through HTTP
2. The service will update the EDW by the request content
3. The Service will return the status to indicate whether the update is success.

Inbound Interface Format

<salesOrder>

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | branchId | Maxim Branch ID | Y | String |  | < branchId >MXM  </ branchId > | {“branchId”:”MXM”} |
| 2 | businessDate | Transaction Business Date | Y | Date |  | < businessDate >2016-01-01  </ businessDate > | {“businessDate”:”2016-01-01”} |
| 3 | orderNo | Transaction order no. | Y | String |  | < orderNo >OR12345  </ orderNo > | {“orderNo”:”OR12345”} |
| 4 | orderSequence | Transaction order sequence | Y | Numeric (5,0) |  | < orderSequence >1  </ orderSequence > | {“orderSequence”:”1”} |
| 5 | eventNo | Event Order no. | N | String |  | <eventNo>  </eventNo> | {"eventNo":""} |
| 6 | tableNo | Table no. | Y | String |  | <tableNo>  </tableNo> | {"tableNo":""} |
| 7 | guest | Number of guests | Y | Numeric (5,0) |  | <guest>  </guest> | {"guest":""} |
| 8 | printTimes | Number of times the pay check is printed | Y | Numeric (5,0) |  | <printTimes> </printTimes> | {"printTimes":""} |
| 9 | printUserId1 | Print User ID 1 | N | String |  | <printUserId1>  </printUserId1> | {"printUserId1":""} |
| 10 | printUserId2 | Print User ID 2 | N | String |  | <printUserId2>  </printUserId2> | {"printUserId2":""} |
| 11 | printUserId3 | Print User ID 3 | N | String |  | <printUserId3>  </printUserId3> | {"printUserId3":""} |
| 12 | currencyCode | Currency Code | Y | String |  | <currencyCode>  </currencyCode> | {"currencyCode":""} |
| 13 | bevamt | Beverage Sales Amount | Y | Numeric (19,4) |  | <bevamt>  </bevamt> | {"bevamt":""} |
| 14 | foodamt | Food Sales Amount | Y | Numeric (19,4) |  | <foodamt>  </foodamt> | {"foodamt":""} |
| 15 | servamt | Service Charge Amount | Y | Numeric (19,4) |  | <servamt>  </servamt> | {"servamt":""} |
| 16 | discCode | Discount Code | N | String |  | <discCode>  </discCode> | {"discCode":""} |
| 17 | discRatio | Discount Ratio | Y | Numeric (19,4) |  | <discRatio>  </discRatio> | {"discRatio":""} |
| 18 | discAmt | Discount Amount | Y | Numeric (19,4) |  | <discAmt>  </discAmt> | {"discAmt":""} |
| 19 | taxCode | Tax Code | N | String |  | <taxCode>  </taxCode> | {"taxCode":""} |
| 20 | taxAmt | Tax Amount | Y | Numeric (19,4) |  | <taxAmt>  </taxAmt> | {"taxAmt":""} |
| 21 | orderType | Order type | Y | String |  | <orderType>  </orderType> | {"orderType":""} |
| 22 | spTransType |  | N | String |  | <spTransType>  </spTransType> | {"spTransType":""} |
| 23 | transType | Transaction type | Y | String |  | <transType>  </transType> | {"transType":""} |
| 24 | chargeDept | Charging Department | N | String |  | <chargeDept>  </chargeDept> | {"chargeDept":""} |
| 25 | chargeReason | Charging Reason | N | String |  | <chargeReason>  </chargeReason> | {"chargeReason":""} |
| 26 | chargeUserId |  | N | String |  | <chargeUserId>  </chargeUserId> | {"chargeUserId":""} |
| 27 | openTillNo | Till machine on which the sales order is opened | Y | String |  | <openTillNo>  </openTillNo> | {"openTillNo":""} |
| 28 | closeTillNo | Till machine on which the sales order is closed | Y | String |  | <closeTillNo>  </closeTillNo> | {"closeTillNo":""} |
| 29 | openUserId | User ID of staff who opens the sales order | Y | String |  | <openUserId>  </openUserId> | {"openUserId":""} |
| 30 | closeUserId | User ID of staff who closes the sales order | Y | String |  | <closeUserId>  </closeUserId> | {"closeUserId":""} |
| 31 | checkInDateTime | Sales order check-in date time | Y | datetime |  | <checkInDateTime>  </checkInDateTime> | {"checkInDateTime":""} |
| 32 | checkOutDateTime | Sales order check-out date time | lY | datetime |  | <checkOutDateTime>  </checkOutDateTime> | {"checkOutDateTime":""} |
| 33 | voidFlag | Void sales order flag | Y | String |  | <voidFlag>  </voidFlag> | {"voidFlag":""} |
| 34 | voidDateTime | Void sale date time | Y | datetime |  | <voidDateTime>  </voidDateTime> | {"voidDateTime":""} |
| 35 | voidId | Void ID | N | String |  | <voidId>  </voidId> | {"voidId":""} |
| 36 | reasonCode | Void reason | N | String |  | <reasonCode>  </reasonCode> | {"reasonCode":""} |
| 37 | remarks01 | Remark 1 | N | String |  | <remarks01>  </remarks01> | {"remarks01":""} |
| 38 | remarks02 | Remark 2 | N | String |  | <remarks02>  </remarks02> | {"remarks02":""} |
| 39 | remarks03 | Remark 3 | N | String |  | <remarks03>  </remarks03> | {"remarks03":""} |
| 40 | dataSource | Data Source of the sales (e.g. “OM” for Order Management; “Lunch” for Lunch Box system) | Y | String |  | <dataSource>  </dataSource> | {"dataSource":""} |
| 41 | lastUpdateUser | Last update by (user id by which the convert process or adjustment is done) | Y | String |  | <lastUpdateUser>  </lastUpdateUser> | {"lastUpdateUser":""} |
| 42 | lastUpdateTime | Last update date time | Y | datetime |  | <lastUpdateTime>  </lastUpdateTime> | {"lastUpdateTime":""} |
| 43 | workstationName | Server at which the convert process take place | Y | String |  | <workstationName>  </workstationName> | {"workstationName":""} |
| 44 | appNmae | Program name of convert process | Y | String |  | <appNmae>  </appNmae> | {"appNmae":""} |
| 45 | runno | Run ID of the convert process | Y | Numeric (5,0) |  | <runno>  </runno> | {"runno":""} |
| 46 | status | Whether or not the sales data is counted as store sales | N | String |  | <status>  </status> | {"status":""} |

<salesItem>

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | branchId | Maxim Branch ID | Y | String |  | < branchId >MXM  </ branchId > | {“branchId”:”MXM”} |
| 2 | businessDate | Transaction Business Date | Y | Date |  | < businessDate >2016-01-01  </ businessDate > | {“businessDate”:”2016-01-01”} |
| 3 | orderNo | Transaction order no. | Y | String |  | < orderNo >OR12345  </ orderNo > | {“orderNo”:”OR12345”} |
| 4 | orderSequence | Transaction order sequence | Y | Numeric (5,0) |  | < orderSequence >1  </ orderSequence > | {“orderSequence”:”1”} |
| 5 | eventNo | Event Order no. | N | String |  | <eventNo>  </eventNo> | {"eventNo":""} |
| 6 | itemSequence | Transaction item sequence | Y | Numeric (5,0) |  | <itemSequence>  </itemSequence> | {"itemSequence":""} |
| 7 | subitemSequence | Transaction item sub-sequence | Y | Numeric (5,0) |  | <subitemSequence>  </subitemSequence> | {"subitemSequence":""} |
| 8 | itemno | Item code | Y | Numeric (5,0) |  | <itemno>  </itemno> | {"itemno":""} |
| 9 | category | Item category | Y | String |  | <category>  </category> | {"category":""} |
| 10 | itemDescription | Item code description | Y | String |  | <itemDescription>  </itemDescription> | {"itemDescription":""} |
| 11 | listPrice | Listed Unit price | Y | Numeric (19,4) |  | <listPrice>  </listPrice> | {"listPrice":""} |
| 12 | price | Unit price | Y | Numeric (19,4) |  | <price>  </price> | {"price":""} |
| 13 | qty | Transaction Quantity | Y | Numeric (19,4) |  | <qty>  </qty> | {"qty":""} |
| 14 | itemTot | Item sales total | Y | Numeric (19,4) |  | <itemTot>  </itemTot> | {"itemTot":""} |
| 15 | servFlag | Service type | Y | String |  | <servFlag>  </servFlag> | {"servFlag":""} |
| 16 | setmenu | Set menu item code | N | String |  | <setmenu>  </setmenu> | {"setmenu":""} |
| 17 | setFlag | Set menu item indicator | Y | String |  | <setFlag>  </setFlag> | {"setFlag":""} |
| 18 | discCode | Item Discount Code | N | String |  | <discCode>  </discCode> | {"discCode":""} |
| 19 | discRatio | Item Discount Ratio | Y | Numeric (19,4) |  | <discRatio>  </discRatio> | {"discRatio":""} |
| 20 | discAmt | Item Discount Amount | Y | Numeric (19,4) |  | <discAmt>  </discAmt> | {"discAmt":""} |
| 21 | modifiedAmt | Modified Amount | Y | Numeric (19,4) |  | <modifiedAmt>  </modifiedAmt> | {"modifiedAmt":""} |
| 22 | cost | Item Cost | Y | Numeric (19,4) |  | <cost>  </cost> | {"cost":""} |
| 23 | taxCode | Tax Code | N | String |  | <taxCode>  </taxCode> | {"taxCode":""} |
| 24 | taxAmt | Tax Amount | Y | Numeric (19,4) |  | <taxAmt>  </taxAmt> | {"taxAmt":""} |
| 25 | orderType | Order type | Y | String |  | <orderType>  </orderType> | {"orderType":""} |
| 26 | transType | Transaction type | Y | String |  | <transType>  </transType> | {"transType":""} |
| 27 | tillNo | Till machine on which the ordered item is made | Y | String |  | <tillNo>  </tillNo> | {"tillNo":""} |
| 28 | inputDateTime | Sales item input date time | Y | datetime |  | <inputDateTime>  </inputDateTime> | {"inputDateTime":""} |
| 29 | inputId | User ID of staff who input the item | Y | String |  | <inputId>  </inputId> | {"inputId":""} |
| 30 | voidFlag | Void sales item flag | Y | String |  | <voidFlag>  </voidFlag> | {"voidFlag":""} |
| 31 | voidDateTime | Void sale date time | Y | datetime |  | <voidDateTime>  </voidDateTime> | {"voidDateTime":""} |
| 32 | voidId | Void ID | Y | String |  | <voidId>  </voidId> | {"voidId":""} |
| 33 | reasonCode | Void reason | N | String |  | <reasonCode>  </reasonCode> | {"reasonCode":""} |
| 34 | remarks01 | Remark 1 | N | String |  | <remarks01>  </remarks01> | {"remarks01":""} |
| 35 | remarks02 | Remark 2 | N | String |  | <remarks02>  </remarks02> | {"remarks02":""} |
| 36 | remarks03 | Remark 3 | N | String |  | <remarks03>  </remarks03> | {"remarks03":""} |
| 37 | dataSource | Data Source of the sales (e.g. “OM” for Order Management; “Lunch” for Lunch Box system) | Y | String |  | <dataSource>  </dataSource> | {"dataSource":""} |
| 38 | lastUpdateUser | Last update by (user id by which the convert process or adjustment is done) | Y | datetime |  | <lastUpdateUser>  </lastUpdateUser> | {"lastUpdateUser":""} |
| 39 | lastUpdateTime | Last update date time | Y | String |  | <lastUpdateTime>  </lastUpdateTime> | {"lastUpdateTime":""} |
| 40 | workstationName | Server at which the convert process take place | Y | String |  | <workstationName>  </workstationName> | {"workstationName":""} |
| 41 | appNmae | Program name of convert process | Y | String |  | <appNmae>  </appNmae> | {"appNmae":""} |
| 42 | runno | Run ID of the convert process | Y | Numeric (10,0) |  | <runno>  </runno> | {"runno":""} |
| 43 | status | Whether or not the sales data is counted as store sales | N | String |  | <status>  </status> | {"status":""} |

<salesPay>`

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | branchId | Maxim Branch ID | Y | String |  | < branchId >MXM  </ branchId > | {“branchId”:”MXM”} |
| 2 | businessDate | Transaction Business Date | Y | Date |  | < businessDate >2016-01-01  </ businessDate > | {“businessDate”:”2016-01-01”} |
| 3 | orderNo | Transaction order no. | Y | String |  | < orderNo >OR12345  </ orderNo > | {“orderNo”:”OR12345”} |
| 4 | orderSequence | Transaction order sequence | Y | Numeric (5,0) |  | < orderSequence >1  </ orderSequence > | {“orderSequence”:”1”} |
| 5 | eventNo | Event Order no. | N | String |  | <eventNo>  </eventNo> | {"eventNo":""} |
| 6 | paymentSequence | Payment sequence | Y | Numeric (5,0) |  | <paymentSequence> </paymentSequence> | {"paymentSequence":""} |
| 7 | paymenType | Payment Type | Y | String |  | <paymenType> </paymenType> | {"paymenType":""} |
| 8 | posPayType | POS Payment Type | Y | String |  | <posPayType> </posPayType> | {"posPayType":""} |
| 9 | paidQuantity | Paid quantity | Y | Numeric (19,4) |  | <paidQuantity > </paidQuantity > | {"paidQuantity ":""} |
| 10 | paidCurrency | Paid currency | Y | String |  | <paidCurrency> </paidCurrency> | {"paidCurrency":""} |
| 11 | paidAmount | Paid amount | Y | Numeric (19,4) |  | <paidAmount> </paidAmount> | {"paidAmount":""} |
| 12 | change |  | Y | Numeric (19,4) |  | <change> </change> | {"change":""} |
| 13 | tips | Tips paid | Y | Numeric (19,4) |  | <tips> </tips> | {"tips":""} |
| 14 | localCurrency | POS local currency | Y | String |  | <localCurrency> </localCurrency> | {"localCurrency":""} |
| 15 | localAmount | Paid amount in local currency | Y | Numeric (19,4) |  | <localAmount> </localAmount> | {"localAmount":""} |
| 16 | exchangeRate | Exchange rate to change Paid amount to Local amount | Y | Numeric (19,4) |  | <exchangeRate> </exchangeRate> | {"exchangeRate":""} |
| 17 | discType | Payment discount type | Y | String |  | <discType> </discType> | {"discType":""} |
| 18 | discAmt | Payment discount amount | Y | Numeric (19,4) |  | <discAmt> </discAmt> | {"discAmt":""} |
| 19 | cardType | Card type (e.g. Visa, membership card, etc) | N | String |  | <cardType> </cardType> | {"cardType":""} |
| 20 | cardNo | Card Number | N | String |  | <cardNo> </cardNo> | {"cardNo":""} |
| 21 | cardUser | Card holder name | N | String |  | <cardUser> </cardUser> | {"cardUser":""} |
| 22 | refNo | Reference No. | N | String |  | <refNo> </refNo> | {"refNo":""} |
| 23 | traceNo | Trace no. | N | String |  | <traceNo> </traceNo> | {"traceNo":""} |
| 24 | approvalCode | Approval code | N | String |  | <approvalCode> </approvalCode> | {"approvalCode":""} |
| 25 | orderType | Order type | N | String |  | <orderType> </orderType> | {"orderType":""} |
| 26 | transType | Transaction type | N | String |  | <transType> </transType> | {"transType":""} |
| 27 | tillNo | Till machine on which the ordered item is made | Y | String |  | <tillNo> </tillNo> | {"tillNo":""} |
| 28 | inputDateTime | Sales item input date time | Y | datetime |  | <inputDateTime> </inputDateTime> | {"inputDateTime":""} |
| 29 | inputId | User ID of staff who input the item | Y | String |  | <inputId> </inputId> | {"inputId":""} |
| 30 | voidFlag | Void sales item flag | Y | String |  | <voidFlag> </voidFlag> | {"voidFlag":""} |
| 31 | voidDateTime | Void sale date time | Y | datetime |  | <voidDateTime> </voidDateTime> | {"voidDateTime":""} |
| 32 | voidId | Void ID | N | String |  | <voidId> </voidId> | {"voidId":""} |
| 33 | reasonCode | Void reason | N | String |  | <reasonCode> </reasonCode> | {"reasonCode":""} |
| 34 | remarks01 | Remark 1 | N | String |  | <remarks01>  </remarks01> | {"remarks01":""} |
| 35 | remarks02 | Remark 2 | N | String |  | <remarks02>  </remarks02> | {"remarks02":""} |
| 36 | remarks03 | Remark 3 | N | String |  | <remarks03>  </remarks03> | {"remarks03":""} |
| 37 | dataSource | Data Source of the sales (e.g. “OM” for Order Management; “Lunch” for Lunch Box system) | Y | String |  | <dataSource>  </dataSource> | {"dataSource":""} |
| 38 | lastUpdateUser | Last update by (user id by which the convert process or adjustment is done) | Y | datetime |  | <lastUpdateUser>  </lastUpdateUser> | {"lastUpdateUser":""} |
| 39 | lastUpdateTime | Last update date time | Y | String |  | <lastUpdateTime>  </lastUpdateTime> | {"lastUpdateTime":""} |
| 40 | workstationName | Server at which the convert process take place | Y | String |  | <workstationName>  </workstationName> | {"workstationName":""} |
| 41 | appNmae | Program name of convert process | Y | String |  | <appNmae>  </appNmae> | {"appNmae":""} |
| 42 | runno | Run ID of the convert process | Y | Numeric (10,0) |  | <runno>  </runno> | {"runno":""} |
| 43 | status | Whether or not the sales data is counted as store sales | Y | String |  | <status>  </status> | {"status":""} |

<salesPayfig>

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | branchId | Maxim’s branch ID | Y | String |  | < branchId >MXM  </ branchId > | {“branchId”:”MXM”} |
| 2 | businessDate | Transaction Business Date | Y | Date |  | < businessDate >2016-01-01  </ businessDate > | {“businessDate”:”2016-01-01”} |
| 3 | rectype | Record type | Y | String |  | <rectype> </rectype> | {"rectype":""} |
| 4 | recdesc | Record type description | Y | Numeric (5,0) |  | <recdesc> </recdesc> | {"recdesc":""} |
| 5 | currencyCode | Currency Code for the “total amount” | Y | String |  | <currencyCode> </currencyCode> | {"currencyCode":""} |
| 6 | totalAmount | Total amount for this Record type | Y | Numeric (5,0) |  | <totalAmount> </totalAmount> | {"totalAmount":""} |
| 7 | qty | Total quantity for this Record type | Y | String |  | <qty> </qty> | {"qty":""} |
| 8 | author | Author | Y | String |  | <author> </author> | {"author":""} |
| 9 | localCurrency | Currency Code for the “local amount” | Y | String |  | <localCurrency> </localCurrency> | {"localCurrency":""} |
| 10 | localAmount | Local amount for this Record type | Y | Numeric (19,4) |  | <localAmount> </localAmount> | {"localAmount":""} |
| 11 | exchangeRate | Exchange rate ( = Local currency amount / total amount) | Y | Numeric (19,4) |  | <exchangeRate> </exchangeRate> | {"exchangeRate":""} |
| 12 | inputDateTime | Input Date Time | Y | Numeric (19,4) |  | <inputDateTime> </inputDateTime> | {"inputDateTime":""} |
| 13 | inputId | Input ID | N | String |  | <reasonCode> </reasonCode> | {"reasonCode":""} |
| 14 | reasonCode | Reason code | N | String |  | <remarks01>  </remarks01> | {"remarks01":""} |
| 15 | remarks01 | Remark 1 | N | String |  | <remarks02>  </remarks02> | {"remarks02":""} |
| 16 | remarks02 | Remark 2 | N | String |  | <remarks03>  </remarks03> | {"remarks03":""} |
| 17 | remarks03 | Remark 3 | N | String |  | <dataSource>  </dataSource> | {"dataSource":""} |
| 18 | dataSource | Data Source | Y | datetime |  | <lastUpdateUser>  </lastUpdateUser> | {"lastUpdateUser":""} |
| 19 | lastUpdateUser | Last update user | Y | String |  | <lastUpdateTime>  </lastUpdateTime> | {"lastUpdateTime":""} |
| 20 | lastUpdateTime | Last update time | Y | String |  | <workstationName>  </workstationName> | {"workstationName":""} |
| 21 | workstationName | Server at which the convert process take place | Y | String |  | <appNmae>  </appNmae> | {"appNmae":""} |
| 22 | appNmae | Program name of convert process | Y | Numeric (10,0) |  | <runno>  </runno> | {"runno":""} |
| 23 | runno | Run ID of the convert process | Y | String |  | <status>  </status> | {"status":""} |
| 24 | status | Whether or not the sales data is counted as store sales | Y | String |  | <status>  </status> | {"status":""} |

Outbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | status | Update Status | Y | String |  | < status >MXM  </ branchId > | {“status”:”A”} |
| 2 | remark | remark | Y | String |  | < remark >  </ remark > | {“remark”:””} |

**Pricing Data Web Service**

**OSB**

**2**

**1**

Inbound

**EDW**

Pricing Data Web Service

Trigger Pricing Store Proc

**3**

Outbound

**Data Process Flow**

1. Send the request the OSB Restful Pricing Data Web Service through HTTP
2. The service will trigger the pricing store procedure to update the EDW pricing tables in EDW.
3. The Service will return the status to indicate whether the update is success.

Inbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |

Outbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | status | Update Status | Y | String |  | < status >MXM  </ branchId > | {“status”:”A”} |
| 2 | remark | remark | Y | String |  | < remark >  </ remark > | {“remark”:””} |

**EDW Checksum Service**

**OSB**

**2**

**3**

**1**

Inbound

**EDW**

EDW Checksum Service

Retrieve the checksum info

Outbound

**Data Process Flow**

1. Send the request the OSB Restful EDW Checksum Web Service through HTTP
2. The service will get the information from the EDW
3. The Service will return the result and status to indicate whether the request is success.

Inbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | branchId | Maxim’s branch ID | Y | String |  | < branchId >MXM  </ branchId > | {“branchId”:”MXM”} |
| 2 | businessDate | Transaction Business Date | Y | Date |  | < businessDate >2016-01-01  </ businessDate > | {“businessDate”:”2016-01-01”} |

Outbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | noOfRecord | noOfRecord | Y | Numeric (19,0) |  | < noOfRecord >10  </ noOfRecord > | {“noOfRecord”:”1-”} |
| 2 | checksum | checksum | Y | Numeric (19,4) |  | < checksum >1234  </ checksum > | {“checksum”:”1234”} |
| 3 | status | Update Status | Y | String |  | < status >MXM  </ branchId > | {“status”:”A”} |
| 4 | remark | remark | Y | String |  | < remark >  </ remark > | {“remark”:””} |

**Staging Checksum Service**

**OSB**

**2**

**1**

**Staging**

Inbound

Staging Checksum Service

Retrieve the checksum info

**3**

Outbound

**Data Process Flow**

1. Send the request the OSB Restful EDW Checksum Web Service through HTTP
2. The service will get the information from the Staging DB
3. The Service will return the result and status to indicate whether the request is success.

Inbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | branchId | Maxim’s branch ID | Y | String |  | < branchId >MXM  </ branchId > | {“branchId”:”MXM”} |
| 2 | businessDate | Transaction Business Date | Y | Date |  | < businessDate >2016-01-01  </ businessDate > | {“businessDate”:”2016-01-01”} |

Outbound Interface Format

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Field Name** | **Description** | **Is Required** | **Format** | **Remarks** | **XML Example** | **Json Example** |
| 1 | noOfRecord | noOfRecord | Y | Numeric (19,0) |  | < noOfRecord >10  </ noOfRecord > | {“noOfRecord”:”1-”} |
| 2 | checksum | checksum | Y | Numeric (19,4) |  | < checksum >1234  </ checksum > | {“checksum”:”1234”} |
| 3 | status | Update Status | Y | String |  | < status >MXM  </ branchId > | {“status”:”A”} |
| 4 | remark | remark | Y | String |  | < remark >  </ remark > | {“remark”:””} |