

WCOB Sam's Club Data Models and Data Dictionary

WCOB_SAMS_STOREVISITS

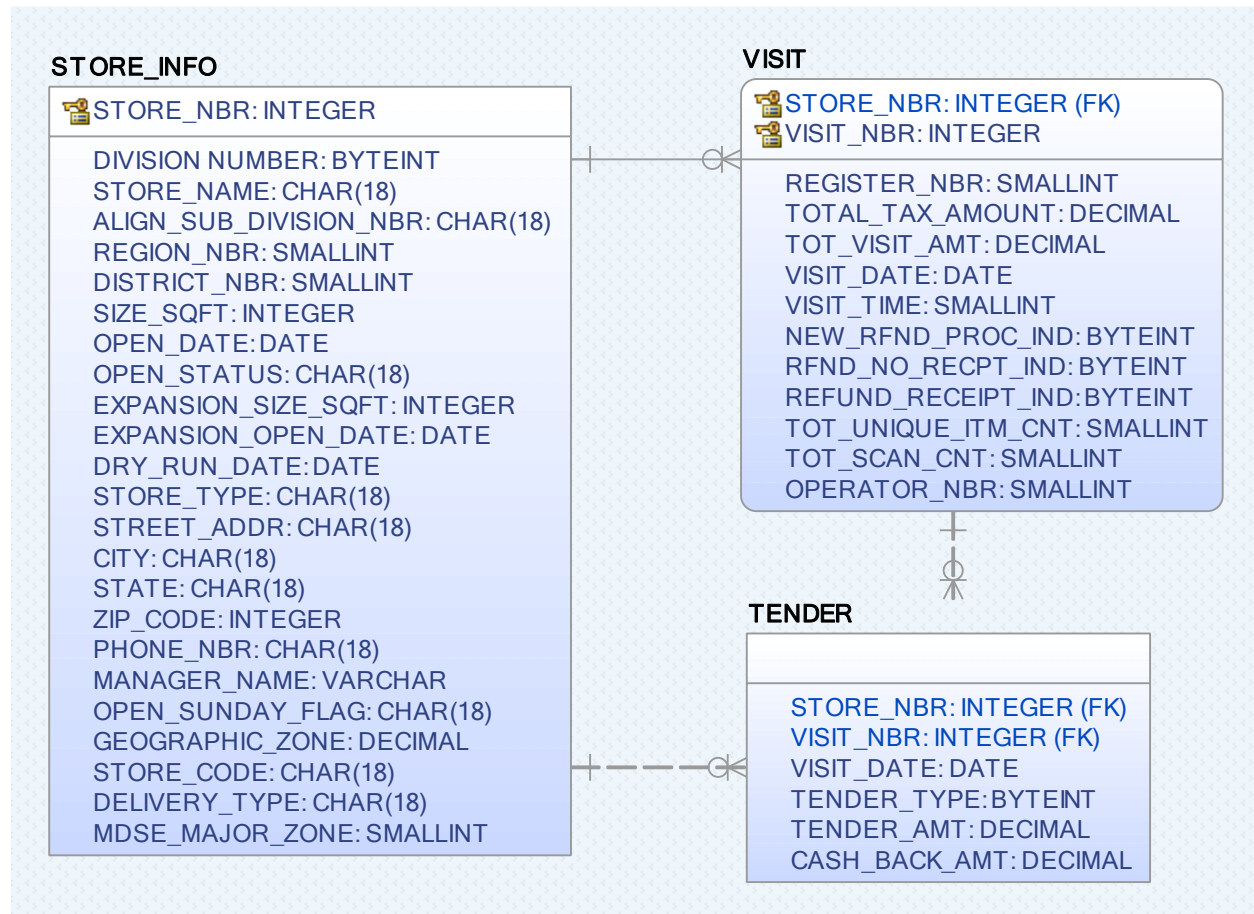


TABLE NAME	NUMBER OF RECORDS
STORE_INFO	1,034
VISIT	5,049,399,530
TENDER	10,226,711,544

STORE_INFO Table

Column/Field Name	Key Type	Datatype	Short Description	Long Description	Sample Values Or Format
DIVISION_NBR		BYTEINT	Division Number	Number 18 denotes Sam's Club	18 ONLY
STORE_NBR	PK	INTEGER	Store Number	Any 4-digit number	6,670
STORE_NAME		CHAR	Store Name	Name given to store	SEARCY SAMS DC
ALIGN_SUB_DIVISION_NBR		CHAR	Subdivision Number	Denotes subdivison	A thru Z

REGION_NBR		SMALLINT	Region Number	Number assigned to region	0 thru 99
DISTRICT_NBR		SMALLINT	District Number	Number assigned to district	0 thru 998
SIZE_SQFT		INTEGER	Store Size	Store size in square feet	144,601
OPEN_DATE		DATE	Opening Date	Date store opened	MM/DD/YYYY
OPEN_STATUS		CHAR	Open Status	Denotes operating hours	0 thru 7
EXPANSION_SIZE_SQFT		INTEGER	Expansion size	Size of expansion in square feet, if applicable	130,595
EXPANSION_OPEN_DATE		DATE	Expansion Opening Date	Date expansion opened, if applicable	MM/DD/YYYY
DRY_RUN_DATE		DATE	"Dry Run" Date	Date store began normal operations, usually the day before grand opening	MM/DD/YYYY
STORE_TYPE		CHAR	Store Type	Denotes if store is a regular Sam's, Distribution Center, etc.	G, W, S, R
STREET_ADDR		CHAR	Street Address	1 st line of mailing address	280 WALMART RD
CITY		CHAR	City	City of mailing address	YPSILANTI, TUPELO
STATE		CHAR	State	State of mailing address	AR, WA
ZIP_CODE		INTEGER	ZIP code	ZIP code of mailing address	72,716
PHONE_NBR		CHAR	Phone number	Phone number for store	007149656666
MANAGER_NAME		VARCHAR	Store Manager Name	First three letters of manager's first name	JEF, LIS
OPEN_SUNDAY_FLAG		CHAR	Open Sunday Flag	Denotes if store is open on Sundays	Y or N ONLY
*_WHSE		CHAR	Warehouse	Warehousing Information	null
GEOGRAPHIC_ZONE		DECIMAL	Geographic zone	Zone as determined by Sam's Club	0 thru 8

APPAREL_ZONE		SMALLINT	Apparel Zone	Denotes zone per apparel	invariant
SIZECLASS		SMALLINT	Size Class	Denotes size class	invariant
SALESCLASS		SMALLINT	Sales Class	Denotes sales class	invariant
STORE_CODE		CHAR	Store Code	Denotes type of store	N, A, C, T ONLY
DELIVERY_TYPE		CHAR	Delivery Type	How merchandise is delivered	WPM, 7NT
MDSE_MAJOR_ZONE		SMALLINT	Merchandise Major Zone	Corresponds to geographic zone	0 thru 8
MDSE_SUB_ZONE		SMALLINT	Merchandise Sub Zone	Denotes subzone for merchandise	invariant

VISIT Table

Column Name	Key Type	Datatype	Short Description	Long Description	Sample Values or Format
STORE_NBR	PK, FK for STORE_INFO	INTEGER	Store Number	Store Number	6,620
VISIT_NBR	PK	INTEGER	Visit Number	Sequential visit number	301,303,484
REGISTER_NBR		SMALLINT	Register Number	Number of register	5
TOTAL_TAX_AMOUNT		DECIMAL	Total Tax Amount	Amount of tax	7.27
TOT_VISIT_AMT		DECIMAL	Total Visit Amount	Transaction total	27.49
VISIT_DATE		DATE	Visit Date	Date of visit	MM/DD/YYYY
VISIT_TIME		SMALLINT	Visit Time	Time of visit	Given in 24-hour time
NEW_RFND_PROC_IND		BYTEINT	New Refund Procedure Indication	Indicates if new refund procedure used	0 or 1
RFND_NO_RECPT_IND		BYTEINT	Refund No Receipt Indication	Denotes if refund performed without an original receipt	0 or 1
REFUND_RECEIPT_IND		BYTEINT	Refund Receipt Indication	Denotes if receipt given for refund transaction	0 or 1

TOT_UNIQUE_ITM_CNT		SMALLINT	Total Unique Item Count	Number of unique items in transaction	1, 14, 27
TOT_SCAN_CNT		SMALLINT	Total Scan Count	Number of items scanned	1, 14, 27
OPERATOR_NBR		SMALLINT	Operator Number	Employee who conducted transaction	52, 2530

TENDER Table

Column Name	Key Type	Datatype	Short Description	Long Description	Sample Values or Format
STORE_NBR	PK, FK for VISIT, FK for STORE_INFO	INTEGER	Store Number	Number of store	6,605
VISIT_NBR	PK, FK for VISIT	INTEGER	Visit Number	Sequential visit number	104,605,375
VISIT_DATE		DATE	Visit Date	Date of visit	MM/DD/YYYY
TENDER_TYPE		BYTEINT	Tender Type	Payment Method	0 thru 99
TENDER_AMT		DECIMAL	Tender Amount	Amount tendered	46.85, 103.73
CASH_BACK_AMT		DECIMAL	Cashback Amount	Amount given as cashback	0.00, 60.00

WCOB_SAMS_SALES

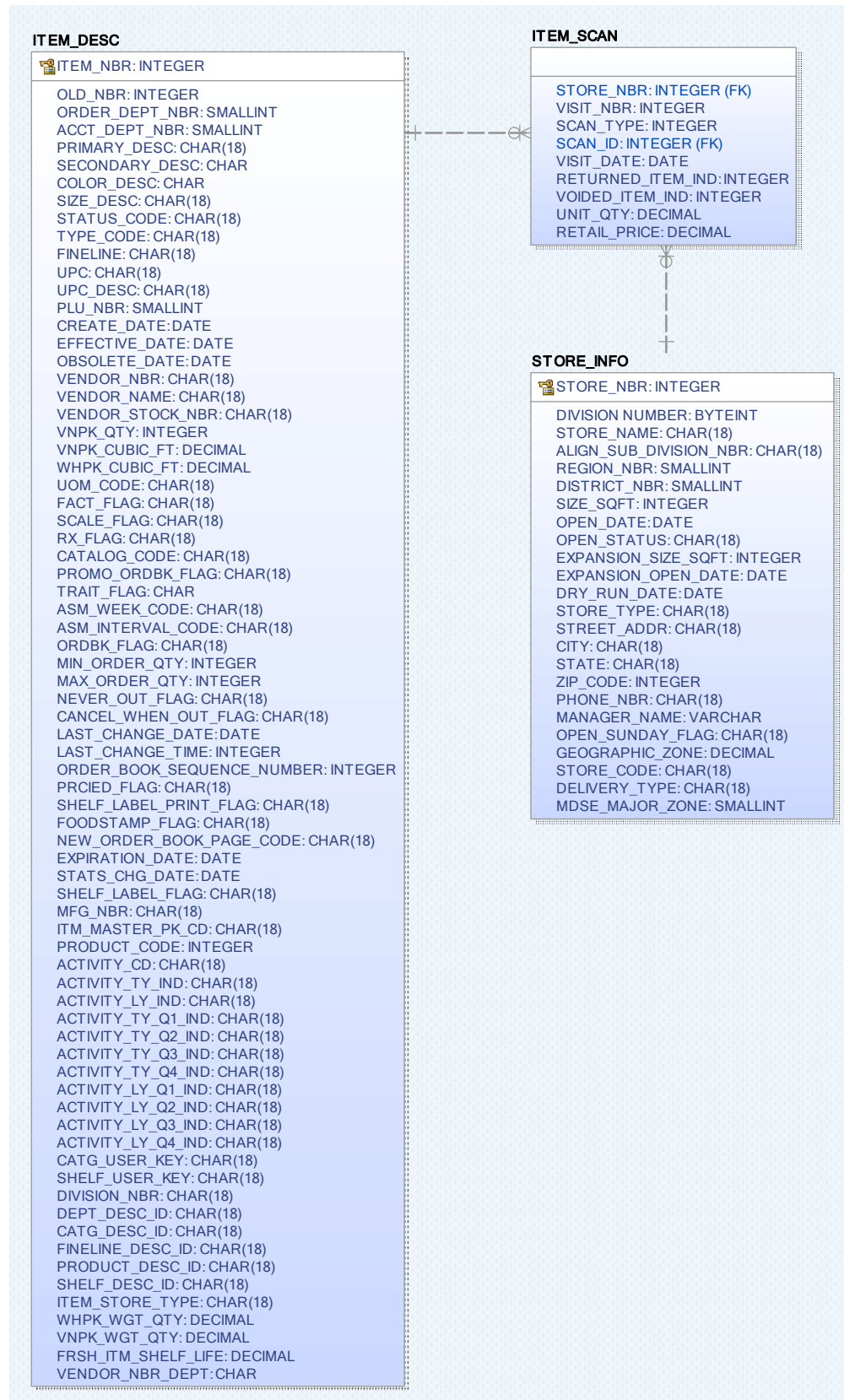


TABLE NAME	NUMBER OF RECORDS
ITEM_DESC	1,863,843
ITEM_SCAN	6,106,076,262
STORE_INFO (Duplicate of WCOB_SAMS_STOREVISITS.STORE_INFO)	1,034

ITEM_DESC Table

Column name	Key	Datatype	Short Description	Long Description	Sample Values or Format
Item_Nbr	PK	INTEGER	Item Number	Item Number in New System	53102146, 2468055
Old_Nbr		INTEGER	Item Number	Item Number in previous system	957117, 44857
Order_Dept_Nbr		SMALLINT	Ordering Department Number	Dept number used for ordering	90, 34
Acct_Dept_Nbr		SMALLINT	Accounting Department Number	Dept number used for accounting	0, 50
Primary_Desc		CHAR	Primary Description	General Description	JKT GREY M, CELERY HEARTS
Secondary_Desc		CHAR	Secondary Description	Denotes further categorical details	8, HO
Color_Desc		CHAR	Color Description	Color of item	CLEAR, ASST
Size_Desc		CHAR	Size Description	Sizes of item	32-42, S-XXL
Status_Code		CHAR	Status Code	Denotes status	D or A
Type_Code		CHAR	Type Code	Denotes type	20 or 22
Fineline		CHAR	Fineline	Number assigned to items with similar sales patterns	7018, 2392
UPC		CHAR	UPC	Universal Product Code	13 digit number
UPC_Desc		CHAR	UPC Description	General description	TARTAR SAUCE, FASHION BOOT
PLU_Nbr		SMALLINT	PLU Number	Price lookup code	0, 94285
Create_Date		DATE	Created Date	Date of data creation	MM/DD/YYYY
Effective_Date		DATE	Effective Date	Date item became active	MM/DD/YYYY
Obsolete_Date		DATE	Obsolete Date	Date item deactivates	MM/DD/YYYY
Vendor_Nbr		CHAR	Vendor Number	Vendor Number	029579, 244884
Vendor_Nbr_Fineline		CHAR	Vendor Fineline Number	Vendor Fineline Number	null

Vendor_Name		CHAR	Vendor Name	Name of supplier	CLUB CAFE, VF IMAGEWEAR
Vendor_Stock_Nbr		CHAR	Vendor Stock Number	Supplier's item number	FATHOM, 19068
VNPK_Qty		INTEGER	VNPK Quantity	Quantity field in Retail Link system	1, 72
VNPK_Cubic_Ft		DECIMAL	VNPK Cubic Feet	Size of packaged item	0.1, 49.6
WHPK_Qty		INTEGER	WHPK Quantity	WHPK Quantity	Invariant
WHPK_Cubic_Ft		DECIMAL	WHPK Cubic Feet	WHPK Cubic Feet	0, 4.52
Return_Sheet_Nbr		INTEGER			Invariant
UOM_Code		CHAR	UOM Code	Unit of measure	EA, UN
Fact_Flag		CHAR	Fact Flag	Tag used for display	Y or N or null
DSD_Flag		CHAR	DSD Flag		null
Scale_Flag		CHAR	Scale Flag	Denotes if scale flag made	Y or N
RX_Flag		CHAR	RX Flag	Tag used to show item is prescription	N or null
Catalog_Code		CHAR	Catalog Code	Denotes if coded in catalog	N or null
Ordbk_Stars_Qty		SMALLIN T			Invariant
Multi_Hdl_Code		CHAR			Invariant
Seasonal_Code		CHAR			Invariant
Promo_Ordbk_Flag		CHAR			N or null
Xref_From_Nbr		INTEGER			Invariant
Xref_To_Nbr		INTEGER			Invariant
Trait_Flag		CHAR			Y or N or null
Asm_Week_Code		CHAR			0 or null
Asm_Interval_Code		CHAR			0 or null
Ordbk_Flag		CHAR			N or null
Whse_Align		CHAR			null
Min_Order_Qty		INTEGER	Minimum Order Quantity	Smallest orderable amount	0, 1
Max_Order_Qty		INTEGER	Maximum Order Quantity	Largest orderable amount	0 or 999 only
Never_Out_Flag		CHAR	Never-Out Flag	Requirement for item to always be available	Y or N
Cancel_When_Out_F lag		CHAR			N or null

Last_Change_Date		DATE	Last Change Date	Date of last change	MM/DD/YYYY
Last_Change_Time		INTEGER	Last Change Time	Time of last change	20383703
Order_Book_Sequence_Number		INTEGER	Order Book Sequence Number	Order Book Sequence Number	0 or 21 only
Priced_Flag		CHAR	Priced Flag	Denotes if priced flag made	Y or null
Shelf_Label_Print_Flag		CHAR	Shelf Label Print Flag	Denotes if label made	N or null
Foodstamp_Flag		CHAR	Foodstamp Flag	Denotes if covered by foodstamps	Y or N
Stock_Status_Flag		CHAR			null
New_Order_Book_Page_Code		CHAR	New Order Book Page Code	Denotes if code for item is in New Order Book	Y or N or null
Expiration_Date		DATE	Expiration Date	Date product expires	MM/DD/YYYY
Status_Chg_Date		DATE	Status Change Date	Date of last status change	MM/DD/YYYY
Shelf_Label_Flag		CHAR	Shelf Label Flag	Denotes if shelf label made	Y or null
Mfg_Nbr		CHAR	Manufacturing Number	Number used by manufacturer	129510, 478107
Itm_Master_Pk_Cd		CHAR	Item Master Pack Code	Denotes if in a master pack	B or C or null
International_Code		CHAR			invariant
Product_Code		INTEGER	Product Code	Product Code	667773
Activity_CD		CHAR	Activity Code	Activity Code	Y or N
Activity_TY_IND		CHAR	Activity This Year Indicator	Activity this year indicator	Y or N
Activity_LY_IND		CHAR	Activity Last Year Indicator	Activity last year indicator	Y or N
Activity_TY_Q1_IND thru Activity_LY_Q4_IND		CHAR	Activity This Year, Quarter 1 thru Activity Last Year, Quarter 4	Shows activity by quarter	Y or N
Catg_User_Key		CHAR			0 or null
Shelf_User_Key		CHAR			0 or null
Division_Nbr		CHAR			0 or null
Dept_Desc_ID		CHAR			0 or null
Catg_Desc_ID		CHAR			0 or null
Fineline_Desc_ID		CHAR			0 or null

Product_Desc_Id		CHAR			0 or null
Shelf_Desc_ID		CHAR			0 or null
ITEM_STORE_TYPE		CHAR			0 or null
WHPK_WGT_QTY		DECIMAL			0.1, 12.5
VNPK_WGT_QTY		DECIMAL	VNPK Weight Quantity	Weight used in Retail Link system	0.1, 38.0
frsh_ITM_SHELF_LIFE		DECIMAL	Fresh Item Shelf Life	Gives shelf life in days for fresh items	5.0, 10.0
Vendor_Nbr_Dept		CHAR	Vendor Department Number	Dept number used by supplier	61, 64

STORE_INFO Table

(Duplicate of WCOB_SAMS_STOREVISITS.STORE_INFO)

ITEM_SCAN Table

Column name	Key Type	Datatype	Short Description	Long Description	Sample Values or Format
STORE_NBR	FK to STORE_INFO	INTEGER	Store Number	Store Number	6556, 6670
VISIT_NBR		INTEGER	Visit Number	Number assigned to transaction	430500019, 430500528
SCAN_TYPE		INTEGER	Scan Type	Denotes method used for UPC input	0, 3
SCAN_ID	FK to ITEM_DESC*	INTEGER	Scan Identifier	Gives code to interpret SCAN_ID using rules given following this table	83815, 40899111
VISIT_DATE		DATE	Visit Date	Date of visit	MM/DD/YYYY
RETURNED_ITEM_IND		INTEGER	Returned Item Indicator	Indicates if an item was returned	0 or 1
VOIDED_ITEM_IND		INTEGER	Voided Item Indicator	Indicates if an item was voided	0 or 1
unit_qty		DECIMAL	Unit Quantity	Quantity of item per scan	1.00, 4.79
retail_price		DECIMAL	Retail Price	Price per unit quantity	5.35, 10.96

* See the rules for joining ITEM_SCAN and ITEM_DESC tables on following page

Rules for Joining ITEM_SCAN and ITEM_DESC tables

The scan data can be joined to the item data based on the SCAN_TYPE and SCAN_ID.

- If SCAN_TYPE = 0 (corporate item) then SCAN_ID = Item_Nbr on item table
- If SCAN_TYPE = 1 (department ring) then SCAN_ID is the department number (Order_Dept_Nbr) of the item sold.
- If SCAN_TYPE = 2 (local item/70 type item) then SCAN_ID is a local Item_Nbr sold only at that store.
- If SCAN_TYPE = 3 (Rx item) then SCAN_ID is a prescription id number.
- If SCAN_TYPE = 4 (Old_Nbr) then SCAN_ID = Old_Nbr on the item table. The Old_Nbr can be reused for a new item; it cannot always be definitively linked to the correct item.

WCOB_SAMS_INTEGRATED

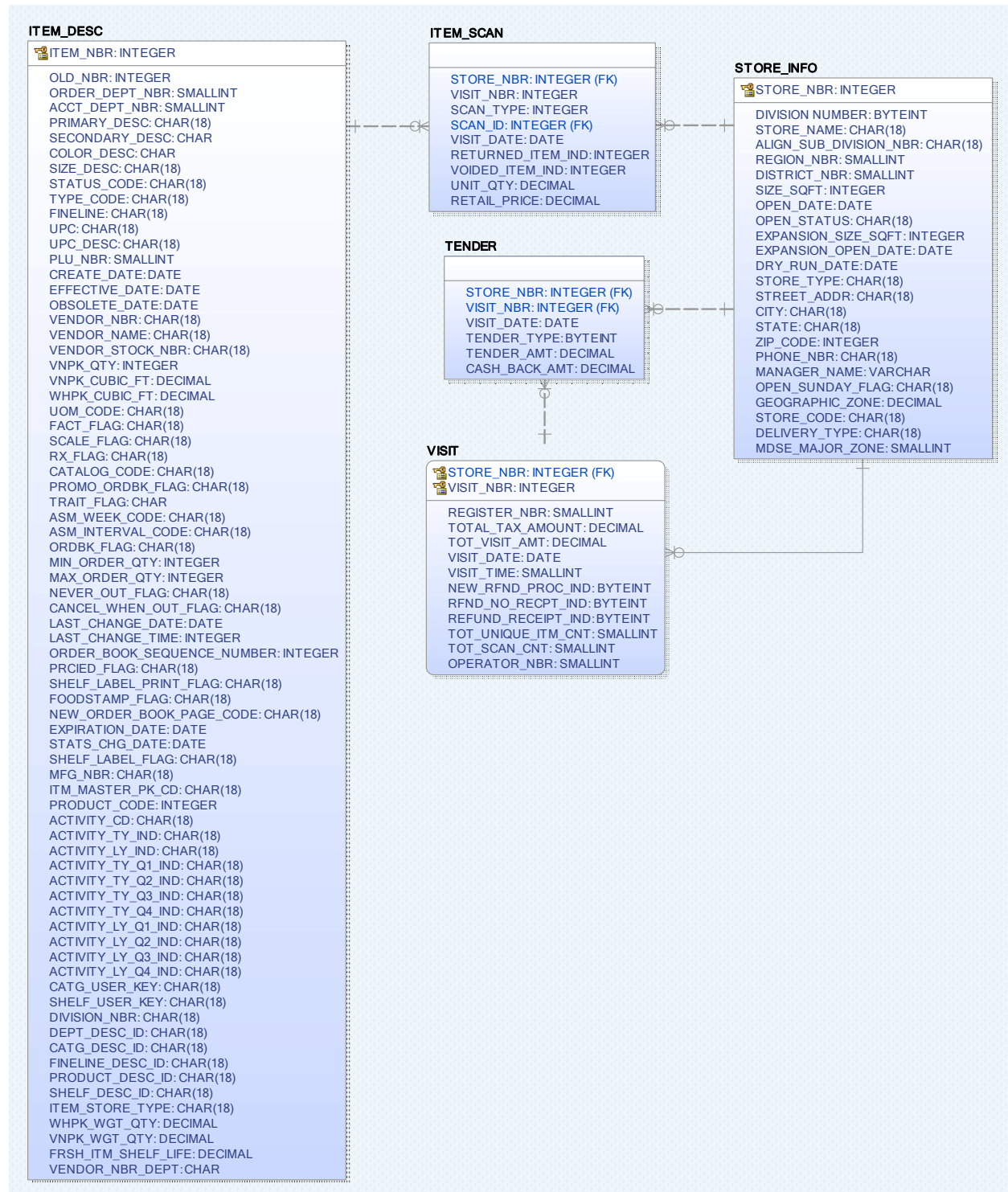


TABLE NAME	NUMBER OF RECORDS
ITEM_DESC	1,863,843
ITEM_SCAN	964,534,605
STORE_INFO	1,034
TENDER	367,741,511
VISIT	180,567,699

This database links all the tables to allow for more complex queries that use data fields from multiple tables across the SALES and STOREVISITS databases. All of the columns and keys are the same for the respective tables, but the data is only the same for the ITEM_DESC and STORE_INFO tables; the others contain fewer records in this database, but all other qualities are the same.

[ITEM_DESC Table](#)

Duplicate of WCOB_SAMS_SALES.ITEM_DESC

[ITEM_SCAN Table](#)

Contains distinct data, but uses the same columns as WCOB_SAMS_SALES.ITEM_SCAN

[STORE_INFO Table](#)

Duplicate of WCOB_SAMS_STOREVISITS.STORE_INFO

[TENDER Table](#)

Contains distinct data, but uses the same columns as WCOB_SAMS_STOREVISITS.TENDER

[VISIT Table](#)

Contains distinct data, but uses the same columns as WCOB_SAMS_STOREVISITS.VISIT