

Physical Data Model
 Model: TPC-H Data Vault Solution with References
 Package:
 Diagram: Data Vault 2.0 Solution 2 with References (TPCH)
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 Version: 1.0

«Reference»	
Ref Region	
RegionCode	<pk> not null
LoadTS	not null
RecordSRC	not null
R_NAME	null
R_COMMENT	null
o PK Ref Region <pk>	

«Reference»	
Ref Nation	
NationCode	<pk> not null
RegionCode	<fk> not null
LoadTS	not null
RecordSRC	not null
N_NAME	null
N_COMMENT	null
o PK Ref Nation <pk>	

«Satellite»	
SAT Customer	
DVS Hub Customer	<pk, fk> not null
LoadTS	<pk> not null
C_NAME	null
C_ADDRESS	null
C_PHONE	null
C_ACCTBAL	null
C_MKTSEGMENT	null
C_COMMENT	null
NationCode	null
RecordSRC	not null
LoadEndTS	null
o PK SAT Customer <pk>	

«Satellite»	
SAT Part	
DVS Hub Part	<pk, fk> not null
LoadTS	<pk> not null
P_NAME	null
P_MFGR	null
P_BRAND	null
P_TYPE	null
P_SIZE	null
P_CONTAINER	null
P_RETAILPRICE	null
P_COMMENT	null
RecordSRC	not null
LoadEndTS	null
o PK SAT Part <pk>	

«Satellite»	
SAT LNK Part Supplier	
DVS LNK Part Supplier	<pk, fk> not null
LoadTS	<pk> not null
PS_AVAILQTY	null
PS_SUPPLYCOST	null
PS_COMMENT	null
RecordSRC	not null
LoadEndTS	null
o PK SAT LNK Part Supplier <pk>	

«Satellite»	
SAT Supplier	
DVS Hub Supplier	<pk, fk> not null
LoadTS	<pk> not null
S_NAME	null
S_ADDRESS	null
S_PHONE	null
S_ACCTBAL	null
S_COMMENT	null
RecordSRC	not null
LoadEndTS	null
o PK SAT Supplier <pk>	

«Hub»	
Hub Customer	
DVS Hub Customer	<pk> not null
C_CUSTKEY	<ak> not null
LoadTS	not null
RecordSRC	not null
o PK Hub Customer <pk>	
o AK Hub Customer <ak>	

«Hub»	
Hub Part	
DVS Hub Part	<pk> not null
LoadTS	not null
RecordSRC	not null
P_PARTKEY	null
o PK Hub Part <pk>	

«Link»	
LNK Part Supplier	
DVS LNK Part Supplier	<pk> not null
DVS Hub Supplier	<ak, fk1> not null
DVS Hub Part	<ak, fk2> not null
LoadTS	not null
RecordSRC	not null
o PK LNK Part Supplier <pk>	
o AK LNK Part Supplier <ak>	

«Hub»	
Hub Supplier	
DVS Hub Supplier	<pk> not null
S_SUPPKEY	<ak> not null
LoadTS	not null
RecordSRC	not null
o AK HUB Supplier <ak>	
o PK HUB Supplier <pk>	

«Link»	
LNK Customer Order	
DVS LNK Customer Order	<pk> not null
DVS Hub Customer	<ak, fk1> not null
DVS Hub Order	<ak, fk2> not null
LoadTS	not null
RecordSRC	not null
o PK LNK Customer Order <pk>	
o AK LNK Customer Order <ak>	

«Satellite»	
SAT LNK Line Item	
DVS LNK Line Item	<pk, fk> not null
LoadTS	<pk> not null
L_QUANTITY	null
L_EXTENDEDPRICE	null
L_DISCOUNT	null
L_TAX	null
L_RETURNFLAG	null
L_LINESTATUS	null
L_SHIPDATE	null
L_COMMITDATE	null
L_RECEIPTDATE	null
L_SHIPINSTRUCT	null
L_SHIPMODE	null
L_COMMENT	null
RecordSRC	not null
LoadEndTS	null
o PK SAT LNK Line Item <pk>	

«Link»	
LNK Line Item	
DVS LNK Line Item	<pk> not null
DVS Hub Order	<ak, fk1> not null
DVS Hub Supplier	<ak, fk2, fk4> null
DVS Hub Part	<ak, fk3, fk4> null
L_LINENUMBER	<ak> not null
LoadTS	not null
RecordSRC	not null
o PK LNK Line Item <pk>	
o AK LNK Line Item <ak>	
PegLeg Link	

«Hub»	
Hub Order	
DVS Hub Order	<pk> not null
LoadTS	not null
RecordSRC	not null
O_ORDERKEY	null
o PK Hub Order <pk>	

«Satellite»	
SAT Order	
DVS Hub Order	<pk, fk> not null
LoadTS	<pk> not null
O_ORDERSTATUS	null
O_TOTALPRICE	null
O_ORDERDATE	null
O_ORDERPRIORITY	null
O_CLERK	null
O_SHIPPRIORITY	null
O_COMMENT	null
NationCode	null
RecordSRC	not null
LoadEndTS	null
o PK Hub Order <pk>	