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Tasks

- create and populate the synthetictargeting database using the provided files.
- Create the <u>stored procedure</u> as described. Your stored procedure <u>must</u> <u>retrieve all required data</u> using a <u>cursor</u>.
- Your .sql script should <u>contain only</u> your stored procedure code with any accompanying functions you create.
- Submit your <u>single</u> .sql script at the submission link.

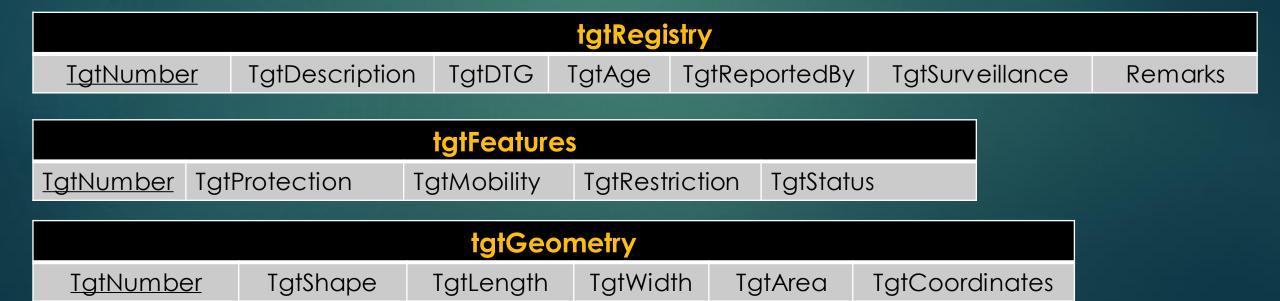
synthetictargeting Key Descriptions

The following keys have special properties.

Key	Table	Type	Values/Formula
TgtAge	TgtRegistry	Generated Column	Difference in days between Sept 1, 2023, and the TgtDTG
TgtReportedBy	TgtRegistry	Enumeration	'AIR','GROUND','SATELLITE','INTEL'
TgtSurveillance	TgtRegistry	Enumeration	'CONTINUOUS','INTERMITTENT','NONE'
TgtProtection	TgtFeatures	Enumeration	'FORTIFIED','HARDENED','REINFORCED','SOFT'
TgtMobility	TgtFeatures	Enumeration	'STATIC','SEMI_STATIC','MOBILE','HIGHLY_MOBILE'
TgtRestriction	TgtFeatures	Enumeration	UNRESTRICTED', 'RESTRICTED', 'PROHIBITED'
TgtStatus	TgtFeatures	Enumeration	'ACTIVE','INACTIVE'
TgtShape	TgtGeometry	Enumeration	'POINT','AREA'
TgtArea	TgtGeometry	Generated Column	Product of TgtLength and TgtWidth

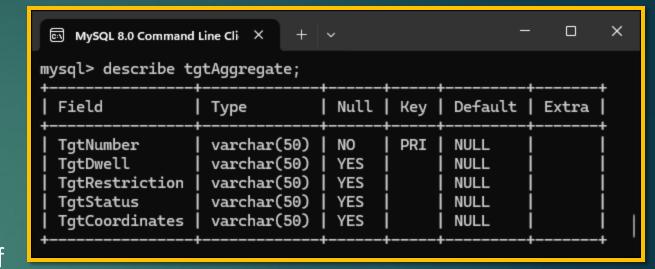
synthetictargeting Database Schema





tgtConsolidation Stored Procedure

- Create the stored procedure tgtConsolidation that accepts no parameters.
- The stored procedure creates and displays the <u>first 20 rows</u> from the table <u>TgtAggregate</u>.
- The TgtAggegate table is a combination of formatted values from all the other tables in the synthetictargeting database.
- The TgtAggregate table contains <u>only</u> targets that have an <u>age less than</u> 180 and a <u>status</u> of Active
- The TgtAggregate table maintains referential integrity with the TgtRegistry table



TgtDwell is a formatted combination of the TgtDTG and TgtAge values.

TgtCoordinates is a formatted version of the TgtCoordinates of the TgtGeometry table.

Stored Procedure Expected Output

TgtNumber	TgtDwell	TgtRestriction	TgtStatus	TgtCoordinates
T-1031951	 2023-11-07 Days: 67	PROHIBITED	ACTIVE	X:70 Y:78
T-1041262	2023-10-01 Days: 30	PROHIBITED	ACTIVE	X:41 Y:77
T-1051547		RESTRICTED	ACTIVE	X:130 Y:22
T-1051633	-	PROHIBITED	ACTIVE	X:179 Y:88
T-1061611	2023-10-23 Days: 52	RESTRICTED	ACTIVE	X:126 Y:14
	2023-12-13 Days: 103	PROHIBITED	ACTIVE	X:175 Y:58
T-1131414	2023-11-22 Days: 82	PROHIBITED	ACTIVE	X:168 Y:62
T-1181415	2023-11-07 Days: 67	RESTRICTED	ACTIVE	X:161 Y:15
T-1241585	2023-10-16 Days: 45	PROHIBITED	ACTIVE	X:130 Y:31
T-1251167	2023-11-03 Days: 63	UNRESTRICTED	ACTIVE	X:182 Y:76
T-1251380	2023-12-16 Days: 106	UNRESTRICTED	ACTIVE	X:138 Y:14
T-1291352	2023-11-18 Days: 78	PROHIBITED	ACTIVE	X:25 Y:87
T-1291949	2023-12-16 Days: 106	UNRESTRICTED	ACTIVE	X:31 Y:66
T-1301247	2023-12-16 Days: 106	UNRESTRICTED	ACTIVE	X:198 Y:32
T-1391056	2023-12-15 Days: 105	UNRESTRICTED	ACTIVE	X:37 Y:85
T-1411473	2023-11-04 Days: 64	UNRESTRICTED	ACTIVE	X:89 Y:87
T-1431279	2023-11-19 Days: 79	PROHIBITED	ACTIVE	X:20 Y:34
T-1441711	2023-11-19 Days: 79	RESTRICTED	ACTIVE	X:85 Y:88
T-1461153	2023-11-17 Days: 77	UNRESTRICTED	ACTIVE	X:56 Y:39
T-1511932	2023-11-12 Days: 72	UNRESTRICTED	ACTIVE	X:73 Y:18