

Sentencias del sublenguaje TCL

I. Inserción de nuevos registros con dos savepoint.

```
SQL File 12"  SQL File 3  commentary  SQL File 4"  SQL File 5"  SQL File 7"  SQL File 8"  class  device_type x
1 • SELECT * FROM network_inventory.device_type;
2 • select @@autocommit;
3 • set @@autocommit = 0;
4
5 • start transaction;
6 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2301', 'WIFI', 'VU', 'VU-T2301');
7 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2302', 'WIFI', 'VU', 'VU-T2302');
8 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2303', 'WIFI', 'VU', 'VU-T2303');
9 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2304', 'WIFI', 'VU', 'VU-T2304');
10 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2305', 'WIFI', 'VU', 'VU-T2305');
11 • savepoint snap1;
12 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2306', 'WIFI', 'VU', 'VU-T2306');
13 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2307', 'WIFI', 'VU', 'VU-T2307');
14 • savepoint snap2;
15 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2308', 'WIFI', 'VU', 'VU-T2308');
16 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2309', 'WIFI', 'VU', 'VU-T2309');
17 • savepoint snap3;
18
19 • release savepoint snap2;
20 • rollback to snap1;
21 • rollback;
```

DEV_MOD	DEV_TYPE	DEV_OS_VERSION	DEV_PART_NO
C3850	CATALYST	V23	WS-C3850-48F-S
C9200	CATALYST	V23	C9200-48P-E
C9300	CATALYST	V22	C9300-48P-A
C9500	CATALYST	V26	C9500-40X-A
N9504	NEXUS	V27	N9K-C9504

device_type 8 x

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11 • savepoint snap1;
12 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2306', 'WIFI', 'VU', 'VU-T2306');
13 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2307', 'WIFI', 'VU', 'VU-T2307');
14 • savepoint snap2;
15 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2308', 'WIFI', 'VU', 'VU-T2308');
16 • INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSION, DEV_PART_NO) VALUES ('T2309', 'WIFI', 'VU', 'VU-T2309');
17 • savepoint snap3;
18
19 • release savepoint snap2;
20 • rollback to snap2;
21 • rollback to snap1;
22 • rollback;
```

DEV_MOD	DEV_TYPE	DEV_OS_VERSION	DEV_PART_NO
C3850	CATALYST	V23	WS-C3850-48F-S
C9200	CATALYST	V23	C9200-48P-E
C9300	CATALYST	V22	C9300-48P-A
C9500	CATALYST	V26	C9500-40X-A
N9504	NEXUS	V27	N9K-C9504
N9516	NEXUS	V27	N9K-C9516
T2301	WIFI	VU	VU-T2301
T2302	WIFI	VU	VU-T2302
T2303	WIFI	VU	VU-T2303
T2304	WIFI	VU	VU-T2304
T2305	WIFI	VU	VU-T2305
NULL	NULL	NULL	NULL

device_type 9 x

#	Time	Action	Message	Duration / Fetch
✓ 47	22:19:04	INSERT INTO device_type (DEV_MOD, DEV_TYPE, DEV_OS_VERSI...	1 row(s) affected	0.000 sec
✓ 48	22:19:04	savepoint snap3	0 row(s) affected	0.000 sec
✓ 49	22:19:17	release savepoint snap2	0 row(s) affected	0.000 sec
✗ 50	22:19:20	rollback to snap2	Error Code: 1305. SAVEPOINT snap2 does not exist	0.000 sec
✓ 51	22:19:25	rollback to snap1	0 row(s) affected	0.000 sec
✓ 52	22:19:29	SELECT * FROM network_inventory.device_type	11 row(s) returned	0.000 sec / 0.000 sec

2. Eliminación de productos con savepoint y commit para la eliminación definitiva

SQL File 4

```

1 SELECT * FROM network_inventory.device_interfaces;
2 start transaction;
3 delete from network_inventory.device_interfaces where INT_ID = 'ge-1/0/1_10.0.1.1';
4 delete from network_inventory.device_interfaces where INT_ID = 'ge-1/0/1_10.0.1.10';
5 delete from network_inventory.device_interfaces where INT_ID = 'ge-1/0/1_10.0.1.103';
6 savepoint snapd1;
7 delete from network_inventory.device_interfaces where INT_ID = 'ge-1/0/1_10.0.1.100';
8 delete from network_inventory.device_interfaces where INT_ID = 'ge-1/0/1_10.0.1.102';
9 delete from network_inventory.device_interfaces where INT_ID = 'ge-1/0/1_10.0.1.101';
10 savepoint snapd2;
11
12 rollback to snapd1;
13 rollback;
14 commit;
15
16 -- Insertar de vuelta lo eliminado
17 INSERT INTO device_interfaces VALUES ('ge-1/0/1','','ge','10.0.1.1','Abu_10.10.0.1','ge-1/0/1_10.0.1.1');
18 INSERT INTO device_interfaces VALUES ('ge-1/0/1','','ge','10.0.1.10','Ant_10.10.0.10','ge-1/0/1_10.0.1.10');
19 INSERT INTO device_interfaces VALUES ('ge-1/0/1','','ge','10.0.1.103','Mba_10.10.0.103','ge-1/0/1_10.0.1.103');
20 INSERT INTO device_interfaces VALUES ('ge-1/0/1','','ge','10.0.1.100','Map_10.10.0.100','ge-1/0/1_10.0.1.100');
21 INSERT INTO device_interfaces VALUES ('ge-1/0/1','','ge','10.0.1.102','Mas_10.10.0.102','ge-1/0/1_10.0.1.102');
22 INSERT INTO device_interfaces VALUES ('ge-1/0/1','','ge','10.0.1.101','Mas_10.10.0.101','ge-1/0/1_10.0.1.101');
23

```

Result Grid

INT_NAME	INT_DESC	INT_TYPE	INT_IP	DEV_ID	INT_ID
ge-1/0/1	ge	10.0.1.1	Abu_10.10.0.1	ge-1/0/1_10.0.1.1	

device_interfaces 1 x

INT_NAME	INT_DESC	INT_TYPE	INT_IP	DEV_ID	INT_ID
ge-1/0/2	ge	10.0.2.96	Mal_10.10.0.96	ge-1/0/2_10.0.2.96	
ge-1/0/2	ge	10.0.2.95	Maj_10.10.0.95	ge-1/0/2_10.0.2.95	
ge-1/0/2	ge	10.0.2.94	Lux_10.10.0.94	ge-1/0/2_10.0.2.94	
ge-1/0/2	ge	10.0.2.93	Lus_10.10.0.93	ge-1/0/2_10.0.2.93	
ge-1/0/2	ge	10.0.2.92	Lua_10.10.0.92	ge-1/0/2_10.0.2.92	
ge-1/0/2	ge	10.0.2.91	Lus_10.10.0.91	ge-1/0/2_10.0.2.91	
ge-1/0/2	ge	10.0.2.90	Lua_10.10.0.90	ge-1/0/2_10.0.2.90	
ge-1/0/2	ge	10.0.2.89	Est_10.10.0.89	ge-1/0/2_10.0.2.89	
ge-1/0/2	ge	10.0.2.88	Lom_10.10.0.88	ge-1/0/2_10.0.2.88	
ge-1/0/2	ge	10.0.2.87	Liu_10.10.0.87	ge-1/0/2_10.0.2.87	

Action Output

#	Time	Action	Message	Duration / Fetch
72	22:36:27	delete from network_inventory.device_interfaces where INT_ID = 'ge-1/...	1 row(s) affected	0.000 sec
73	22:36:27	delete from network_inventory.device_interfaces where INT_ID = 'ge-1/...	1 row(s) affected	0.000 sec
74	22:36:27	savepoint snapd2	0 row(s) affected	0.000 sec
75	22:36:27	commit	0 row(s) affected	0.016 sec
76	22:36:29	SELECT * FROM network_inventory.device_interfaces	372 row(s) returned	0.000 sec / 0.000 sec
77	22:36:36	rollback to snapd1	Error Code: 1305. SAVEPOINT snapd1 does not exist	0.000 sec

Data Base File



<https://github.com/jtroconiz/SQL/tree/main/rollback>

