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:)

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Posted by [hvlad](#) on Mon, 05 Sep 2022 16:57:06 GMT
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:)

Posted by [hvlad](#) on Mon, 05 Sep 2022 17:01:18 GMT
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on Mon, 05 Sep 2022 18:01:54 GMT

```
CREATE GENERATOR GEN_LOGS_ID;

CREATE TABLE LOGS (
  ID    INTEGER NOT NULL,
  TNAME VARCHAR(31),
  FNAME VARCHAR(31),
  ID_SRC INTEGER,
  A     CHAR(1),
  VAL   VARCHAR(1000),
  VAL_OLD VARCHAR(1000),
  A_DT  TIMESTAMP default current_timestamp,
  A_USER VARCHAR(32) default current_user,
  A_IP  VARCHAR(253),
  A_EXE VARCHAR(253)
);

ALTER TABLE LOGS ADD CONSTRAINT LOGS_PK PRIMARY KEY (ID);

CREATE INDEX LOGS_A_DT  ON LOGS (A_DT);
CREATE INDEX LOGS_FNAME ON LOGS (FNAME);
CREATE INDEX LOGS_ID_SRC ON LOGS (ID_SRC);
CREATE INDEX LOGS_TNAME ON LOGS (TNAME);

SET TERM ^ ;

CREATE OR ALTER TRIGGER LOGS_BI_ID FOR LOGS
ACTIVE BEFORE INSERT POSITION 0
as
begin
  if (new.id is null) then
    new.id = gen_id(gen_logs_id,1);
end
```

^

```
CREATE OR ALTER TRIGGER LOGS_BI_IP FOR LOGS  
ACTIVE BEFORE INSERT POSITION 0
```

```
as
```

```
begin
```

```
--
```

```
--
```

```
select rdb$get_context('SYSTEM', 'CLIENT_ADDRESS')
```

```
from rdb$database
```

```
into NEW.a_ip;
```

```
end
```

```
^
```

```
SET TERM ; ^
```

```
COMMENT ON TABLE LOGS IS
```

```
COMMENT ON COLUMN LOGS.A IS 'Action (I/U/D)';
```

```
SET TERM ^ ;
```

```
CREATE OR ALTER TRIGGER SPUB_AIUD_LOGS FOR SPUB  
ACTIVE AFTER INSERT OR UPDATE OR DELETE POSITION 0
```

```
as  
declare variable vname varchar(31);  
declare variable va char(1);  
declare variable vid_src integer;  
begin  
--  
  
--  
if (gen_id(GEN_SW_LOGS_SPUB, 0) = 0) then exit;  
--  
vname = 'SPUB';  
--  
if (inserting) then begin va = 'I'; vid_src = new.id; end else  
if (updating ) then begin va = 'U'; vid_src = old.id; end else  
if (deleting ) then begin va = 'D'; vid_src = old.id; end  
else begin va = '?'; vid_src = null; end  
--  
  
--  
if ((updating and new.id is distinct from old.id ) or inserting or deleting) then insert  
into logs(tname, fname, a, id_src, val_old, val) values(:vname, 'ID' , :va, :vid_src, old.id ,  
new.id );  
if ((updating and new.name is distinct from old.name ) or inserting or deleting) then  
insert into logs(tname, fname, a, id_src, val_old, val) values(:vname, 'NAME' , :va, :vid_src,  
old.name , new.name );  
--  
end  
^
```

```
SET TERM ; ^
```

Posted by [fraks](#) on Tue, 06 Sep 2022 02:22:35 GMT

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-----+

W	2022-09-05 - 08:52:23	10.0.0.9	USER12		BDOK		1 544 265	I	ID		<null>
	1544265										
W	2022-09-05 - 08:52:23	10.0.0.9	USER12		BDOK		1 544 265	I	NDOK		

<null>	1827602									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	IO	<null>		
F										
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	OPER			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	TYPE_			
<null>	1									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	IDPOST			
<null>	13420									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	IDHEAD			
<null>	85									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	IDHEAD_G			
<null>	85									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	IDHEAD2			
<null>	5011									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	IDHEAD2_G			
<null>	5011									
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W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DATA			
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W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DATA_PAY			
<null>	2022-09-05 00:00:00.0000									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DATA_DEB			
<null>	2022-09-05 00:00:00.0000									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	NSKLAD			
<null>	-104									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	NDOK2			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC1			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC2			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC3			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC4			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC_D			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC_ROUND			
<null>	1									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC_BUH			
<null>	0									
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	DISC_BUH0			

<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I IDEMP1
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I IDEMP2
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I MSG
<null>									
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I SKL <null>
<null>									
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I TRANSIT
<null>	F								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I TRANSIT_KA
<null>	0								
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<null>	<null>								
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<null>	<null>								
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<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I TN_D
<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I SF_N
<null>									
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I TN_N
<null>									
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I RESERVE
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I SHOP_N
<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I SHOP_TYPED
<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I PAYMODE
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I IM <null>
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I IMR_NORD
<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I LCK
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I LCK2
<null>	0								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I NORD
<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I
RET_DATA_SALE	<null>		<null>						
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I RET_T_MINUS
<null>	<null>								
W	2022-09-05 - 08:52:23		10.0.0.9		USER12		BDOK		1 544 265 I H2_STATUS

```

<null>      | <null>      |
| W | 2022-09-05 - 08:53:50 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | IDEMP1 | 0
|   | 15          |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:53:50 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | IDEMP2 | 0
|   | 272         |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:53:50 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | MSG     |
|
| W | 2022-09-05 - 08:54:12 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | DISC   | 0
|   | -30         |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:54:12 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | DISC1  | 0
|   | -30         |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:54:12 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | DISC2  | 0
|   | -30         |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:54:12 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | DISC3  | 0
|   | -30         |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:54:12 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | DISC4  | 0
|   | -30         |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:55:52 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | SF_D   |
<null>      | 2022-09-05 00:00:00.0000 |
| W | 2022-09-05 - 08:55:52 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | TN_D   |
<null>      | 2022-09-05 00:00:00.0000 |
| W | 2022-09-05 - 08:55:52 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | SF_N   | |
|   | 248/15      |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:55:52 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | TN_N   |
|   | 248/15      |         |         |         |         |         |         |         |
| W | 2022-09-05 - 08:56:12 | 10.0.0.9 | USER12 | BDOK | 1 544 265 | U | MSG     |
|
| W | 2022-09-05 - 09:02:30 | 10.0.0.60 | USER12 | BDOK | 1 544 265 | U | TYPE_  | 1
|   | 0          |         |         |         |         |         |         |         |
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