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on Mon, 05 Sep 2022 15:30:07 GMT

Posted by [hvlad](#) on Mon, 05 Sep 2022 15:45:28 GMT
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:)

Posted by on Mon, 05 Sep 2022 16:40:43 GMT
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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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Posted by on Mon, 05 Sep 2022 18:01:54 GMT
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```
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 ; ^
```

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+---+-----+-----+-----+-----+-----+---+-----+-----+---+
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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>	<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>	
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								
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	ESEND		
<null>	<null>								
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	ERECV		
<null>	<null>								
W	2022-09-05 - 08:52:23	10.0.0.9	USER12	BDOK	1 544 265	I	SF_D		
<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>	
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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```

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@hvlad

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@hvlad

Posted by [\[redacted\]](#) on Tue, 06 Sep 2022 15:11:26 GMT

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September 2022 14:35

@hvlad

Posted by on Tue, 06 Sep 2022 15:15:33 GMT
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on Wed, 07 Sep 2022 09:42:30

Posted by on Wed, 07 Sep 2022 20:28:58 GMT

