

A debian compatible random number generator in 5 easy slides

Magnus Hagander
JDCon West, October 2008
Portland, OR

A debian compatible random number generator (for PostgreSQL) in 5 easy slides

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```
testdb=# select random() from generate_series(1,10,1);
```

```
0.604639797005802
```

```
0.1000822102651
```

```
0.553108260501176
```

```
0.765771862119436
```

```
0.161361144389957
```

```
0.794290234334767
```

```
0.921216009650379
```

```
0.879488168284297
```

```
0.757972711697221
```

```
0.101227867417037
```

```
testdb=# begin transaction;  
BEGIN
```

```
testdb=# begin transaction;  
BEGIN
```

```
testdb=# alter function random()  
         rename to boring_random;  
ALTER FUNCTION
```

```
testdb=# CREATE FUNCTION pg_catalog.random()  
RETURNS numeric LANGUAGE pllolcode AS $$  
HAI  
    I HAS A PIADD ITZ 0.0  
    I HAS A PISUB ITZ 0.0  
    I HAS A ITR ITZ 0  
    I HAS A ITRZ ITZ 20000  
    I HAS A T1  
    I HAS A T2  
  
    IM IN YR LOOP  
        T1 R QUOSHUNT OF 4.0 AN SUM OF 3.0 AN ITR  
        T2 R QUOSHUNT OF 4.0 AN SUM OF 5.0 AN ITR  
        PISUB R SUM OF PISUB AN T1  
        PIADD R SUM OF PIADD AN T2  
        ITR R SUM OF ITR AN 4.0  
        BOTH SAEM ITR AN BIGGR OF ITR AN ITRZ, O RLY?  
        YA RLY, GTFO  
        OIC  
    IM OUTTA YR LOOP  
FOUND YR 9  
KTHXBYE  
$$;  
CREATE FUNCTION
```

```
testdb=# commit;  
COMMIT
```

```
testdb=# select random() from generate_series(1,10,1);
```

9

9

9

9

9

9

9

9

9

9

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TOUR OF ACCOUNTING

OVER HERE
WE HAVE OUR
RANDOM NUMBER
GENERATOR.



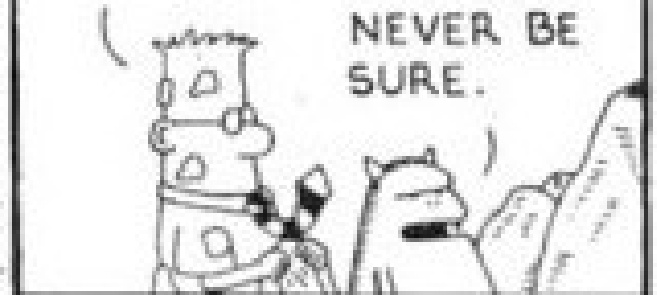
www.dilbert.com scottadams@aol.com

NINE NINE
NINE NINE
NINE NINE



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ARE
YOU
SURE
THAT'S
RANDOM?



THAT'S THE
PROBLEM
WITH RAN-
DOMNESS:
YOU CAN
NEVER BE
SURE.

DEBIAN

YOU CAN NEVER BE SURE.

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YOU CAN NEVER BE SURE.