

```
postgres@zxm-VMware-Virtual-Platform:/data/16$ psql
psql (16.10)
Type "help" for help.
```

```
postgres=# create or replace procedure test_pro() as $$
declare
```

```
    va int default 100;
```

```
begin
```

```
    for i in 1 .. 10 loop
```

```
        va := va + i;
```

```
    end loop;
```

```
    raise notice '%', va;
```

```
    va := va;
```

```
end $$ LANGUAGE plpgsql;
```

```
CREATE PROCEDURE
```

```
postgres=# call test_pro();
```

```
NOTICE:  155
```

```
CALL
```

```
postgres=# select * from pg_get_backend_memory_contexts() where parent =
'CacheMemoryContext' and name = 'CachedPlan';
```

name	ident	parent	level	total_bytes	total_nblocks	free_bytes	free_chunks	used_bytes
CachedPlan va := va		CacheMemoryContext	2	2048	2	576	0	1472
CachedPlan va		CacheMemoryContext	2	2048	2	584	0	1464
CachedPlan va := va + i		CacheMemoryContext	2	2048	2	384	0	1664
CachedPlan 10		CacheMemoryContext	2	2048	2	544	0	1504
CachedPlan 1		CacheMemoryContext	2	2048	2	544	0	1504
CachedPlan 100		CacheMemoryContext	2	2048	2	544	0	1504

(6 rows)

```
postgres=# drop procedure test_pro;
```

```
DROP PROCEDURE
```

```
postgres=# select * from pg_get_backend_memory_contexts() where parent =
'CacheMemoryContext' and name = 'CachedPlan';
```

name	ident	parent	level	total_bytes	total_nblocks	free_bytes	free_chunks	used_bytes
------	-------	--------	-------	-------------	---------------	------------	-------------	------------

	+-----+	+-----+	+-----+	+-----+	+-----+
CachedPlan va := va	CacheMemoryContext	2	2048		
2 576	0 1472				
CachedPlan va	CacheMemoryContext	2	2048		
2 584	0 1464				
CachedPlan va := va + i	CacheMemoryContext	2	2048		
2 384	0 1664				
CachedPlan 10	CacheMemoryContext	2	2048		
2 544	0 1504				
CachedPlan 1	CacheMemoryContext	2	2048		
2 544	0 1504				
CachedPlan 100	CacheMemoryContext	2	2048		
2 544	0 1504				
(6 rows)					

```
postgres=# create or replace procedure test_pro() as $$
```

declare

```
va int default 100;
```

begin

```
for i in 1 .. 10 loop
```

```
va := va + i;
```

```
end loop;
```

```
raise notice '%', va;
```

$$va := va;$$

```
end $$ LANGUAGE plpgsql;
```

CREATE PROCEDURE

```
postgres=# call test_pro();
```

NOTICE: 155

CALL

```
postgres=# select * from pg_get_backend_memory_contexts() where parent =
'CacheMemoryContext' and name = 'CachedPlan';
```

name	ident	parent	level	total_bytes
total nblocks	free bytes	free chunks	used bytes	

CacheSize		CacheLineSize		CacheLineCount		CacheLineOffset		CacheLineStride	
2	576	0	1472	2	2048	2	2048	2	2048
2	584	0	1464	2	2048	2	2048	2	2048
2	384	0	1664	2	2048	2	2048	2	2048
2	544	0	1504	2	2048	2	2048	2	2048
2	1	0	1504	2	2048	2	2048	2	2048

2	544	0	1504	
	CachedPlan 100		CacheMemoryContext	2 2048
2	544	0	1504	
	CachedPlan va := va		CacheMemoryContext	2 2048
2	576	0	1472	
	CachedPlan va		CacheMemoryContext	2 2048
2	584	0	1464	
	CachedPlan va := va + i		CacheMemoryContext	2 2048
2	384	0	1664	
	CachedPlan 10		CacheMemoryContext	2 2048
2	544	0	1504	
	CachedPlan 1		CacheMemoryContext	2 2048
2	544	0	1504	
	CachedPlan 100		CacheMemoryContext	2 2048
2	544	0	1504	

(12 rows)