

# DBMaker/DBMaster FAQ Document

## Question:

There are the following statements:

On the machine the database was last started from before it terminated abnormally, use the UNIX ipcrm utility to remove the allocated shared memory from the system.

And which key has to be removed from the shared memory? It's always the same? (From DBMR 1880)

## Answer:

ipcs[]check the shared memory allocation on a system

ipcrm[]manually deallocate shared memory on a system

When removing the shared memory, please use shmid (SharedMemory ID). After some operation, the key will be changed.

For example:

```
[dbmaker@la-as4-s bin]$ ipcs

----- Shared Memory Segments -----

key      shmid  owner   perms   bytes   nattch   status
0x0009c93b 294914   dbmaker 660     93249536 2

----- Semaphore Arrays -----

key      semid   owner   perms   nsems

[dbmaker@la-as4-s bin]$ ipcrm -m 294914

[dbmaker@la-as4-s bin]$ ipcs
```

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```
----- Shared Memory Segments -----
```

key	shmid	owner	perms	bytes	nattch	status
0x00000000	294914	dbmaker	660	93249536	1	dest

```
----- Semaphore Arrays -----
```

key	semid	owner	perms	nsems
-----	-------	-------	-------	-------

And, after have ipcrm the shared memory, when you have closed all related terminal, the shared memory will be remove.

E.g. after closing all terminals and open a new one.

```
[dbmaker@la-as4-s bin]$ ipcs
```

```
----- Shared Memory Segments -----
```

key	shmid	owner	perms	bytes	nattch	status
-----	-------	-------	-------	-------	--------	--------

```
----- Semaphore Arrays -----
```

key	semid	owner	perms	nsems
-----	-------	-------	-------	-------

You can see the shared memory 294914 has been removed.